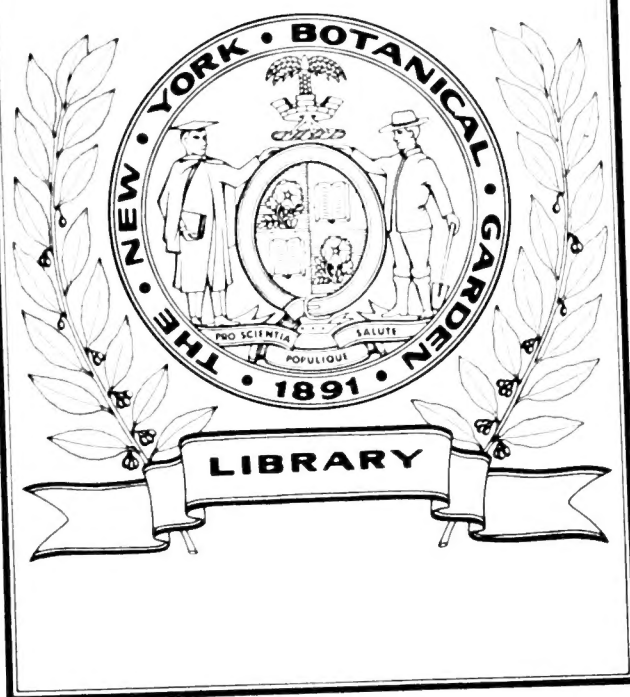


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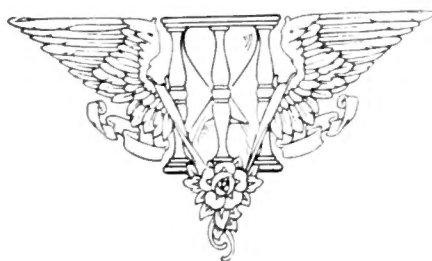
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Vol. XXVI
No. 1
JULY 7
1917

HORTICULTURE



LLOYD C. STARK

President elect American Association of Nurserymen.

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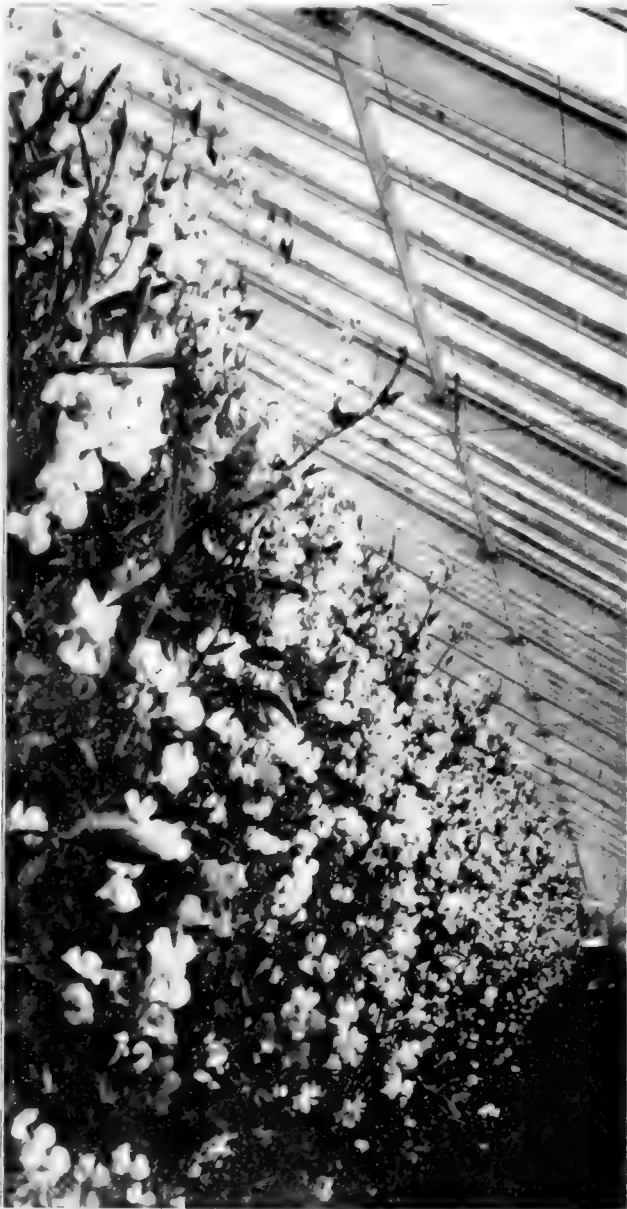
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toll, we ought to blame the culture, not the soil."—Pope.

Amaryllis

Seedlings should be potted and shifted right along. They should be kept continuously growing until they bloom. The old bulbs of amaryllis should now also have attention. It is a mistake to dry amaryllis off in the summer as is often done, for it is at this season that they make their real growth. The most successful amaryllis growers never dry off their bulbs. Shade the glass but not too heavily and spray freely on bright days. If a house can be spared for them, the pots will be better plunged. Failing this utilize a cold frame and plunge the pots to their brim in decayed leaves or other suitable material.

Cold Storage Lilies

Unpack and pot these bulbs just as soon as received. Bulbs of *Lilium speciosum*, if secured and potted now will come in flower in late fall and if grown comparatively cool will be in full crop for Thanksgiving and Christmas. While these may be grown in boxes six inches deep they do better in pots of extra large size, say from seven to nine inch. Give any good compost, adding a little sand. After potting, if the loam is fairly moist, water need not be given in a few days. Keep them in a cold frame, pit or cool greenhouse. Their growth is quite rapid and they will soon need spacing apart. Here you can watch so as to keep them moist, but not too wet.

Gloxinias

Spring-sown seedlings will flower well in 5-inch pots. Give them a light but moderately rich soil, and do not pot too firmly. In order to get good tubers for another season it is an excellent plan to plant out a number of seedlings in cold frames. Make the soil light but rich, adding a good proportion of sand. Keep some air on all the time and shade the sashes. Planted out in this way the plants will make a really surprising growth and produce foliage and flowers much finer than can be had in pots. They will also make tubers double the size of the pot grown ones. These plants can be gradually rested, lifted and stored in flats in time to utilize the frames for winter crops. Gloxinias are among the most beautiful and useful of summer flowering plants and in rooms or on well

shaded and protected piazzas last quite a long time in flower.

Propagation

In summer while propagating house is often untenanted, is a suitable time to raise a number of deciduous flowering shrubs which root freely from half-ripened wood. Greater vigilance is necessary at this season after the plants are potted. A dozen times a day they may need light spraying. Then again, if it is dull they may not need any moisture at all. A close moist atmosphere, with frequent spraying over head is necessary and of course the shade must be heavier than in late winter or early spring. Show pelargoniums, English ivy, variegated vinca, crotons, dracaenas, pandanus and dieffenbachias can also be rooted now.

Sweet Peas

To keep sweet peas blooming as long as possible, keep the flowers closely picked and remove seed pods carefully or otherwise the vines will speedily decline in vigor. If you cannot afford time to mulch the rows, then keep the soil constantly cultivated. If picked damp on a hot day and placed in a cool room, the chances are that many flowers will spot, so wait until they become dry before picking. If the weather becomes dry whenever possible give plenty of water at the roots. They will also enjoy syringing overhead on the evening of hot days. A general mulch between the rows is of immense benefit. Note the color of the foliage, height of vines, length of flower stems and general vigor of unmulched rows as compared with those that have been mulched.

Reminders

If extra early mignonette is wanted sow seed in small pots in a cool house.

Throw out the old plants as fast as possible, and get the benches ready for the field carnations.

Watch for cool nights and fumigate or sulphur the pipes if mildew is present in the rose houses.

Keep the flowers constantly picked out of bouvardias and Gloire de Lorraine and other winter flowering begonias.

Pot any young rose stock for which the benches are not ready as the plants are soon checked if allowed to get pot bound.

Next Week: Care of Palms; Achimenes; Carnations; Pot Chrysanthemums; Summer Treatment of Potted Roses; Reminders.

IMPORTANT NOTICE

Certain changes in service regulations at printing office make it necessary that HORTICULTURE'S forms close several hours earlier than heretofore. Important copy arriving on first mail Thursdays can at times be cared for, but correspondents should plan to get matter to this office by Wednesday hereafter.

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Mention is made in our news columns of the **Doing our bit** raising of a fund of over four hundred and sixty-five dollars for The Red Cross by a special sale of carnations at the store of a Buffalo florist. There are numerous instances of like character. Every issue of HORTICULTURE tells of flower shows and other affairs in many places where the proceeds are devoted to Red Cross benefit, to hospitals, etc., all liberally and substantially supported and

aided by local florists. Florists, as a rule are generous. It seems to be a sort of second nature with the majority of them to respond in a whole hearted manner whenever flowers or service are solicited for any worthy cause, and so any tendency to bring their business into popular disfavor on the ground of war economy, such as we have had occasion to allude to heretofore, seems particularly unbecoming, to say the least.

Time flies. Here we are once more at the starting of a new volume of HORTICULTURE. Let us hope that it may turn out to be "the best ever" in all the qualifications that go to make up a progressive and useful horticultural journal, worthy of the honorable name it bears. In these days when the publishing business is hard pressed by the abnormal cost of paper and a formidable increase in the manifold items that enter into the making of a publication, the situation for a paper no larger even than HORTICULTURE demands close watching. Refraining thus far from any advance in subscription or advertising rates, HORTICULTURE has endeavored to meet the exigency by aiming for the highest possible standard of efficiency within the smallest possible limits. Much kindly favorable comment on the quality of HORTICULTURE's contents has reached us from time to time, especially of late, and this appreciation is most gratifying. The knowledge that the business houses advertising in HORTICULTURE usually get highly satisfactory results from their investment is also very pleasing to the publishers. It will not be inappropriate right here to remind our friends that we can still take good care of a few more subscribers and additional advertisers, so please take the hint and "don't be backward in coming forward."

Greater efficiency the keynote

While there need not be any serious doubt that things will adjust themselves gradually to the changed economic conditions now before us and that the wheels of business will soon get to running smoothly, yet we believe all will agree that the situation as it now presents itself demands thoughtful consideration and cautious procedure if the full measure of past business success in horticultural lines is to continue. This does not necessarily mean retrenchment or limitation of activity—quite the opposite—but it does mean the exercise of more watchfulness in the stopping of leaks, the elimination of waste and the conservation of every available resource. Boiler house and potting shed, beds and benches and stock in houses, back room and basement in the flower store, can all be depended upon to furnish abundant evidence to anyone looking for it that in the majority of establishments there is need to take lessons in thrift. The time has now come when the prodigality and loose management of the past is no longer safe. Unconcern, extravagance and wasteful negligence must be replaced with better discipline and higher efficiency in every department of greenhouse and nursery and store. In the final summary it will be found that the savings on little things persistently followed can mount to a big total, and in the long run we shall be all the better business men for the better habits into which the present emergency has led us.

Hollow Stem Fungus on Paeonies

The short paper in *HORTICULTURE* for May 12, 1917, has been followed by requests for more details. When the fungus gets into a garden, it comes in the old stalks in the resting stage, below the level at which they were cut in preparing them for shipment, as stated in the earlier paper. The first appearance in the new garden in the early spring will be on the new shoots before they have broken ground. For this reason it will not be detected except by a gardener who has been warned to look for it. Generally the first indication that this pest has arrived will be the wilting of young stalks after they have come above the ground. This may occur very early, when they are but an inch or two high. Then soak the ground thoroughly (with a fungicide) and next day dig down carefully, exposing the crown and wash the dirt away with a fungicide solution. It will be seen that the affected stalks are in contact or very near old hollow stalks. If these are examined, fine white threads will be found within them, and growing out through their frayed walls. When these threads come in contact with the tender shoots the fungus will rapidly multiply in their tissues, and in a few days the aerial fruiting stems, described and figured in the earlier note, will appear; only in this case they will be under ground. The fungus wakes from its winter sleep so early in the spring that it may be detected on the young stalks in the fruiting stage, soon after they have emerged from the buds. If one is lucky enough to discover this on a valuable plant, the best method is to dig a deep trench outside the line of the roots, then to wash away the central mound of earth containing the roots, with a stream of water, after first soaking the earth with a fungicide.

Next immerse the whole root in the same solution, cutting down every old stalk to sound tissue, giving the new affected stalks the same treatment before replanting. Properly done the plants will not be checked. Experience shows this may be done even later, when the stalks are a foot high, if the new clean earth is carefully put in a little at one time, and after each trowel-full, puddled into intimate contact with every root surface, with a stream of water under pressure. I have never tried this with paeonies in flower, but with iris of many kinds and several common garden plants, like phlox and larkspur, it succeeds. When the soil is seriously affected by the fungus, treatment is difficult, except by removing the plants to new soil; which is not

practical in most home gardens, as they are usually planned on paper before planting and form part of a general artistic whole. With our present limited knowledge of fungicides the best we can do is to soak the ground with lime sulphur, equivalent to a two per cent solution of Bowkers' Liquid Lime-sulphur, using about two quarts at each application, pouring the solution on the stems that it may run down them into the ground. The earth about each plant should be made into a saucer like depression, that the liquid may soak into it near the stems. Treating plants as described in the first paper and planting them in steam sterilized soil will ensure their health, until they are affected by the wind blown spores from diseased plants. This may not be for long. I have a row of paeonies planted on the east side of a building fourteen years ago. They remained healthy for thirteen years, but the first year after the fungus was discovered in the paeony garden, they were affected, though the garden was five hundred feet away and on the west side of the house, showing how fast and far these spores can travel.

Steam sterilized soil, except for experiments on a small scale, is not practical for most of us, therefore it is of importance for the Government to undertake to discover new fungicides that can be applied in effective strength to the soil in which plants are growing, without injury to them. This need is one of the most serious in agriculture, for during the half century I have been interested in plants there has been a great increase in the damage done by fungi.

In using lime-sulphur as directed, the first application should be to the ground before the paeony stalks appear, in which case the strength should be one per cent. In midsummer the roots are covered with fine thread-like hairs, which are probably of much importance to the plants, for in my rather limited experiments paeonies moved at this time have more chance of having the growth for next year checked than when this is done earlier or later. These fine threads are quite sensitive to strong fungicides, but later the lime-sulphur can be increased to three per cent without injury to plants.

William Rollins

A "TREE OF PARADISE."

The great plant of the white wistaria shown by Professor Sargent, at the Outdoor June Show, with its long, descending, pointed sprays of flowers pendent from the branches of a tree of purely Japanese form, was of a loveliness so tender and so profound that it was an emotion merely to look at it. "I feel," said one who was there, "that there are such trees as that in heaven." No doubt of it. And some of us who have but vague ideas of heaven are glad to suppose that we get our ideas of Paradise from such trees as that. We do not read much in the Scriptures, by the way, about the trees in heaven, but it is pleasant to learn from the Book of Revelation that there is at least one there—two trees, indeed, for we are told that the tree is "on either side of the river," which must mean both sides. And whether the trees of Paradise bear fruit every month or not, not one of

them, assuredly could be more beautiful than this wistaria.

—*Boston Transcript.*

TARRING OR CREOSOTING HOTBED FRAMES.

HORTICULTURE Publishing Co.

Gentlemen: Can you inform me whether either tarring or putting on creosote on hotbed frames would be likely to impregnate the vegetables grown in them with an undesirable flavor. C. L. P., Mich.

We think it would be unsafe to use tar on hotbed frames. The sun shining on the tarred wood would be liable to cause gasses that would be decidedly injurious to plants growing in the frames. Creosote would probably be safer but the frames should not be used until the liquid had thoroughly penetrated the wood and does not remain in any quantity on the surface. We should prefer to have the creosoting done several months in advance to avoid any possible danger from volatile gasses.

AN ACKNOWLEDGMENT.

The following communication received by Secretary Hammond speaks for itself.

Mr. Benjamin Hammond,
Secretary, American Rose Society,
Beacon, N.Y.

Dear Mr. Hammond:—Your letter of June 12 and the very beautiful flag emblem, so kindly authorized by your Society at its late meeting, has reached me by the hands of Miss Carrie Harrison and Prof. L. C. Corbett of this Department.

I wish to express my sincere appreciation of this expression of good will on the part of the associated rose growers and rose lovers of the country and I can assure the members of the Society that the possession of this elegant token will ever be a pleasure and an incentive to further efforts to develop rose varieties in every way worthy of the great country in which we live.

With hearty wishes for the well-being of your Society and a great faith in the future of the American Rose Culture, I am,

Very sincerely yours,

(Signed) W. Van Fleet.

Washington, D. C., June 18, 1917.

CLUBS AND SOCIETIES

ROSE, STRAWBERRY AND PEONY SHOW AT BOSTON.

Saturday, June 30, and Sunday, July 1, proved a trifle late for the peonies and too early for the roses and strawberries, but, nevertheless, Horticultural Hall was well filled with a brilliant and interesting display. In peonies T. C. Thurlow's Sons made the largest and most comprehensive display of blooms. E. J. Shaylor staged a set of seedling peonies which made the old-timers open their eyes wide and acknowledge that he had set a pace for American seedlings that would be difficult to equal. A. H. Fewkes had in his various entries some of the finest peony blooms ever shown here. The varieties shown included such leaders as Mount Blanc, Mme. Crouse, Marie, Albatre, Baroness Schroeder, Rosa Bonheur, La Indispensable, La Lorraine, Armadine Mechin, Lady Alex. Duff, Milton Hill, etc. Thomas N. Cook's climbing rose Bonnie Prince received much favorable comment from those who know a good thing. It is the result of a cross between Tausendschoen and an unidentified seedling, the latter having noisette blood in its lineage. One exceptional feature is the absolute whiteness of its petals. Mr. Cook showed five seedlings in all. John B. Wills whose Florence Pemberton took the ten-dollar special prize as the best individual bloom in the show is an enthusiastic young amateur rose-grower who made quite a record as a new exhibitor. It transpired after the judges got through that the three outstanding blooms from which the winner was finally selected were all in Mr. Wills' exhibits.

It was difficult to persuade some visitors that the group of H. T. roses staged by William Gray of Newport, R. I., were not grown under glass. In size, form and color of flower, and foliage and stem they surely looked the part and the cultural certificate awarded to Mr. Gray was well won. The varieties shown were Mme. Second Weber, Mrs. Aaron Ward and Annie Oliver.

We shall have some interesting observations on the peony subject by an expert observer, in next week's issue.

List of Awards.

AWARDS FOR PLANTS AND FLOWERS.

Roses. Three white Hybrid Perpetual Roses: 1st, Mrs. Bradford D. Harris, Frau Karl Druschki; 2d, A. L. Stephens, Frau Karl Druschki. Three Pink: 1st, Mrs. Bradford D. Harris; Mrs. John Laing; 2d, David Tyndall. Three Red Hybrid: 1st, Mrs. Bradford D. Harris, Ulrich Brunner; 2d, John B. Wills, Capt. Hayward. Hybrid Perpetual Roses. Twenty-four varieties: 1st, W. J. Clemson; 2d, Thomas N. Cook. Twelve varieties: 1st, W. J. Clemson. Six varieties: 1st, John B. Wills; 2d, W. J. Clemson. Six vases, six blooms each: 1st, W. J. Clemson; 2d, Thomas N. Cook. Hybrid Tea Roses. Collection of twenty-four varieties: 1st, Thomas N. Cook; 2d, John B. Wills. Twelve varieties: 1st, John B. Wills; 2d, Thomas N. Cook. Best three blooms of a Hybrid Tea introduced since 1914: Thomas N. Cook. Six blooms, any White:

1st, William Gray, Kaiserin Augusta Victoria; 2d, Thomas N. Cook, White Kill Linney. Six any Yellow: 1st, William Gray, Mrs. Aaron Ward; 2d, Thomas N. Cook, Mrs. Weyliss Quinn. Six blooms any Pink: 1st, John B. Wills, Lady Ashtown; 2d, William Gray, Mme. Second Weber. Six any Red: 1st, John B. Wills, George Dickson; 2d, David Tyndall, George Dickson.

Special Prize offered by E. K. Butler. The best bloom of a Hybrid Tea in the exhibition: John B. Wills, Florence Pemberton.

Herbaceous Peonies. Twelve named varieties, double: 1st, Arthur H. Fewkes; 2d, Mrs. C. S. Minot. Six Pink varieties: 1st, Arthur H. Fewkes; 2d, Mrs. C. S. Minot. Six White, one bloom of each: 1st, Arthur H. Fewkes; 2d, Robert C. Morse. Sweet Williams display: 1st, Miss Cornelia Warren; 2d, Wm. C. Winter. Hardy Herbaceous Flowers (commercial growers excluded): 1st, Faulkner Farm, Perennial Larkspurs; 1st, F. W. Fletcher, Fletcher Hybrids.

Gratuities: Thomas N. Cook, Roses; William Almy, Roses; Miss Cornelia Warren, Roses; William Gray, Hybrid Tea Roses; W. J. Clemson, Roses; T. C. Thurlow's Sons, Inc., Herbaceous Peonies; Wellesley Nurseries, Herbaceous Peonies; Arthur H. Fewkes, Herbaceous Peonies.

Silver Medal: T. C. Thurlow's Sons, Inc., collection of Herbaceous Peonies; Wellesley Nurseries, collection of Herbaceous Peonies.

First Class Certificate of Merit: Thomas N. Cook, Climbing Rose Bonnie Prince; E. J. Shaylor, seedling Peony Wilton Lockwood; ditto, seedling Peony Wm. F. Turner; ditto, seedling Peony Francis Shaylor; ditto, seedling Peony No. 65; ditto, seedling Peony Jessie Shaylor; ditto, seedling Peony Secretary Fewkes.

Honorable Mention: E. J. Shaylor, seedling Peony No. 35; ditto, seedling Peony Shaylor's Dream; ditto, seedling Peony Alma, Japanese-flowered.

Vote of Thanks: Norris F. Comley, American Beauty Roses.

AWARDS FOR FRUITS.

Strawberries, ten plates, not less than six varieties: 1st, Wilfrid Wheeler. Two plates, any variety introduced since 1912: 1st, F. S. De Lue, Judith. Two plates of any variety: 1st, F. S. De Lue. Single plate of any variety: 1st, F. S. De Lue; 2d, James Donald. Best new strawberry of merit not yet introduced: F. S. De Lue, Venia. Two plates of Abington: 1st, Wilfrid Wheeler. Two plates of Barrymore: 1st, H. L. Crane. Two plates of Golden Gate: 1st, Wm. C. Cooper. Two plates of Marshall: 1st, Louis Graton; 2d, Wm. C. Cooper. Two plates of any other variety: 1st, Wm. C. Cooper, Warren; 2d, H. L. Crane, Howards. Best new strawberry of recent introduction not previously exhibited before this Society: 1st, Louis Graton, Edmund Wilson.

Gratuities: T. D. Hatfield, English Strawberry of fine quality; H. L. Crane, strawberry "Hustler"; Wilfrid Wheeler, display of strawberries.

AWARDS FOR VEGETABLES.

Beets: 1st, W. Heustis & Son, Early Wonder, Cabbage; 1st, W. Heustis & Son, Early Market; 2d, W. Heustis & Son, Early Spring. Cucumbers, White Spine: 1st, Oliver Ames, English; 1st, W. J. Clemson, Telegraph; 2d, Oliver Ames, Telegraph. Lettuce: 1st, James Donald, Ideal; 2d, Oliver Ames, Big Boston. Cos or Romaine: 1st, W. J. Clemson, Trianon; 2d, James Donald, Farquhar's Cos. Peas, Gradus or Thomas Laxton: 1st, Oliver Ames, Sutton's Excelsior; 1st, E. L. Lewis. Any other variety: 1st, E. L. Lewis, Little Marvel; 2d, James Donald, Farquhar's Prolific. Collection of vegetables: 1st, W. J. Clemson; 2d, Miss Elizabeth B. Thacher.

Gratuities: Oliver Ames, Tomato Sterling Castle; Faulkner Farm, Tomato Carter's Sunrise; W. J. Clemson, Tomato Lister's Prolific; A. W. Preston, Tomato Comet; Faulkner Farm, Tomato Lister's Prolific; Oliver Ames, collection of vegetables; W. Heustis & Son, collection of vegetables; Hermine A. Schulz, collection of dried vegetables.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The annual summer show of this Society was held in Rye, N. Y., on June 19th and 20th. It was held under the auspices of the Rye Branch of the Red Cross, so the society is to be congratulated on helping along so worthy a cause. Despite the very unfavorable weather for flowers and vegetables there was quite a good display on the tables. Mrs. G. D. Barron staged a very fine group of flowering plants. The principal prize winners in the cut flower section were Mrs. F. A. Constable, gard. James Stuart; F. S. Wheeler, gard. John Orr; Mrs. W. J. Nichols, gard. Joseph Riley; Mrs. A. A. Anderson, gard. Robt. Williamson; Mrs. Henry Darlington, gard. P. W. Popp; Mrs. G. D. Barron, gard. James Lenane; Robt. Mallory, gard. Wm. Smith; J. H. Flagler, gard. Wm. Whitton; Mrs. L. C. Bruce, gard. John Andrews, and T. F. Cole, gard. Alex. Clarkson.

In the plant section Mrs. Henry Darlington, Mrs. Robt. Mallory, Miss A. A. Anderson, Mrs. G. D. Barron, Mrs. F. Wheeler, Mrs. F. A. Constable, Mrs. Chas. Mallory, gard. Wm. Seeley, Mr. Shillaber, Mrs. E. C. Converse, gard. Wm. Graham, Mrs. L. C. Bruce and Mrs. A. G. Smith were the principal prize winners. In the classes for fruit Mrs. Converse and Mrs. Constable carried off most of the blue ribbons.

In the table decorations Mrs. F. A. Constable was first, Mrs. G. D. Barron, second and Mrs. Mallory, third.

The judges were Wm. Scott, Elmsford, Mr. Cook, Elmsford and Mr. Beckett, Portchester.

John Orr, Rye, was manager and the success of the show is due to him and his committee. ALEX. CLARKSON.

NEW HAVEN ROSE SHOW.

The New Haven County Horticultural Society's annual Rose Show in the Public Library building on Friday and Saturday, June 29 and 30, was one of the greatest successes that the society has yet scored. Among the exhibitors were the leading rose growers of this section. The Elm City Nursery Co. staged 36 large vases of Japanese peonies, filling the rotunda of the building. The Park Department showed 18 large exhibits of roses; Yale Botanical Gardens, 15 vases of exquisite blooms; William E. Davis, Jr., 36 vases of the most popular varieties, and C. H. Ryder of Branford 20 vases of fine roses. Others who showed excellent stock were Mrs. E. G. Stoddard, Louis E. Stoddard, Valdemar T. Hammen of Branford; Mrs. Roslyn Clarke Pratt of Stony Creek; R. J. Wooduff of Orange; Walter Malley; A. E. Doty of Morris Cove; Herbert F. Clark of West Haven; Joel A. Sperry; Mrs. Clarence Blakeslee; Mrs. William F. Hasselbach; Mrs. Helen Mercer of Westville, and Adam Ziegler. Several very old Japanese azaleas from Elm City Nursery Co., some of them mounted on heavy stone pillars, came in for a great deal of attention.

EXHIBITS AT ROCHESTER PEONY SHOW.

Geo. B. Hart; arrangement with birch and oak boughs for a background and peonies in wire baskets on the floor, simulating natural growth. Salter Bros; peonies arranged effectively in vases. H. E. Wilson; ferns and palms as a background with peonies arranged in white and green baskets and vases of pink and white. George T. Boucher; peonies in caskets very tastefully arranged. Jacob Thomann & Sons; peonies in pedestal baskets and several large groups. The variety La France and the yellow tree peony attracted much attention. John Charlton & Sons; fifty named varieties, Couronne D'Or and Duke of Wellington especially fine. Ellwanger & Barry; 65 named varieties. James Vick's Sons; a fine collection of 30 named varieties. J. B. Keller Sons; a table display of large baskets of pink peonies and gilt columns and vase of pink peonies in background. R. L. Loughborough, the only amateur exhibitor, had a half-dozen named varieties. Rochester Park Dept. exhibited 200 named varieties, six to eight flowers in vase and about 25 large masses grouped throughout the hall, also eight-ft. Red Cross, with red blossoms massed in center and white on outside.

Out of town exhibitors were as follows: Jackson & Perkins Co., Newark, N. Y.; 40 named varieties. L. J. Bryant & Son, Newark; 62 named varieties, Enchantress large cream white flower tinged bluish in center, pencil marks of carmine, Midnight, another very dark, and Amaranth, worthy of special note. S. G. Harris, Tarrytown, N. Y.; 8 named varieties. N. A. Hallauer, Fruitland, N. Y.; 15 named varieties. T. C. Thurlow's Sons, West Newbury, Mass.; 100 named varieties, worthy of special mention, Thurlow's Double Red and La Rosiere. Babcock's Peony Garden, Sugar Grove, Pa.; 40 varieties. B. H. Farr, Wyomissing, Pa.; 50 named varieties, Boulanger especially beautiful. Cottage Gardens, Queens, N. Y.; 42 named varieties, shipped a week ahead and kept in cold storage and looked very well at exhibit, Baroness Schroeder and Dorchester very fine.

The committee of arrangements was as follows: John Dunbar, chairman; George T. Boucher, Charles H. Vick, Ambrose Secker, Charles Maloy, Joseph Charlton, Edward P. Wilson, George B. Hart, R. G. Salter, Charles Ogston.

TARRYTOWN SUMMER SHOW.

The Summer Show of the Tarrytown (N. Y.) Horticultural Society was held on June 22. John Elliott, gardener for David Luke; Howard Nichols, gard. for Mrs. Trevor, Yonkers; James Currie, gard. for Henry Seidenberg, Hastings; George Wood, gard. for Stuyvesant Fish Garrison; John Featherston, supt. Sleepy Hollow Cemetery, were the leading exhibitors from private estates. Representing the commercial interests were F. R. Pierson with a fine showing, winning a certificate of merit for his new rose, Rosalind, Cedar Hill Nurseries, Glen Head, Supt. A. Lahodny, with a rich display of perennial border flowers, and John Scheepers & Co., with peonies.

POT-GROWN GRAPEVINES.

The ability to furnish something novel or unusual counts for much in the business of any florist catering to a select trade, and originality is an indispensable asset in decorative leadership. The above illustration shows some pot-grown vines by Samuel Murray of Kansas City. These vines were used on July 3 at a luncheon and so

placed that each one of the thirty guests at the table could reach over and cut her bunch of grapes. The middle of the table was made open and filled in, besides the vines, with pineapple plants, caladiums, etc., and a fountain in the centre. Mr. Murray declares he would like nothing better than to devote his entire time to growing nice things.

HORTICULTURAL SOCIETY OF NEW YORK.

An exhibition of this society will be held on Saturday and Sunday, July 14th and 15th, in the Museum building, New York Botanical Garden, Bronx Park. It will be open on the first day from 2 to 5 and on the second day from 10 to 5. Prizes are offered for hardy roses, flowers of herbaceous plants and those of shrubs and trees, Japanese irises, and other plants; also for vegetables. Schedules are now ready for distribution and will be sent on application to the secretary, George V. Nash, Mansion, New York Botanical Garden, Bronx Park, N. Y. City.

GEORGE V. NASH, Secy.

CLUB AND SOCIETY NOTES

The annual meeting of the Cincinnati Florist Society will be held Monday evening, July 9. Officers for the ensuing year will be chosen.

The third annual summer show of the New Bedford, Mass., Horticultural Society was held on June 30. Col. H. E. Converse, supt. D. F. Roy, was as usual a large contributor, not for competition. T. C. Thurlow's Sons made a fine showing of peonies. Col. Chas. H. Crane, gard. Jas. Goodfellow, Woods Hole, was another large exhibitor, also L. J. Hathaway, Jr., of Clifford, Joseph A. Nolet and others. The judges were James Garthley and Chas. W. Young.

A rose show was held on June 27 at Bernardsville, N. J. The principal

winners were Mrs. James Pyle, gard. John Davidson; G. B. Schley, gard. Edw. Britt; James Kronenberg; Edwin Packhard, gard. C. H. Trambels; J. A. Stursburg, gard. R. Fischer; Mrs. J. H. Ballentine, gard. John Kuhne; Mrs. Geo. Bliss, gard. Clayton Olivett; Mrs. H. O. Wittpenn, gard. Lewis Barkman; W. P. Bonbright, gard. M. Linton. C. H. Totty and Edw. Reagan served as judges. The blooms and the vegetables exhibited were disposed of at a sale held following the judging, the proceeds going to the Somerset Hills War Relief.

THE CHRYSANTHEMUM MIDGE.

Chrysanthemum growers in this vicinity are much concerned about the chrysanthemum midge, a recent addition to the pests that must be combatted if growers are to continue successfully to propagate or grow chrysanthemums. Young stock received recently from the west by one large New Jersey grower was badly infested and the distribution of the insect all over the country seems now a foregone conclusion. The fly deposits its eggs in the foliage, buds and stems of the plants and a swelling or gall soon ensues which harbors a grub that in a short time emerges as a fly which in turn starts a new cycle. Light but frequent cyaniding is the most effective remedy discovered thus far for disposing of the fly. Affected plants should be burned in order to destroy the larvae.

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Illustrations There are 24 colored plates; 96 full page halftones; and more than 4,000 engravings which serve as guides in the text.

The Glossary This is an analysis of all technical terms that are used in the work and in similar works. It comprises botanical and horticultural terms with brief definitions.

Translation and Pronunciation of Latin Names In Volume I is inserted a list of between 2,000 and 3,000 Latin words used as species—names of plants, giving the English equivalent or translation and the pronunciation.

Class Articles Special effort has been made to secure the best cultural advices for the plants requiring peculiar or particular handling. Here are some of the titles of these articles: Ants; Autumn Gardening; Bedding; Diseases; Drainage; Floral Designs; Formal Gardening; Hotbeds and Coldframes; Insects; Landscape Gardening; Lawn Planting; Orchards; Rock Gardening; Subtropical Gardening; Tools and Implements; Village Improvements; Window Boxes, etc.

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The oldest and best established journal for nurserymen. Circulation among the trade only. Published monthly. Subscription price, \$1.50 per year. Foreign subscriptions, \$2.00 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

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AMERICAN ASSOCIATION OF NURSEYRMEN

Supplementing our partial account last week of the convention then in progress we have the following notes to add:

The secretary's report showed the largest membership for many years. The recently established credit and collection bureau for members only showed a considerable net profit to the association treasurer. The secretary recommended a budget system, which the convention adopted. He asked the members to assist the French horticulturists whose orchards had been wantonly destroyed and a committee was appointed to solicit contributions of fruit stocks to send to France. The convention adopted a resolution to co-operate with Chairman Hoover of the Food Commission at Mr. Hoover's suggestion. The association voted approval of national arboretums. Many of the reports and discussions were done in executive session hence are not available for publication.

J. H. Dayton presented a very incisive paper on the subject of "How to Make the Nursery Business Feed and Clothe Us and Pay Our Debts." The paper closed with the following summary:

First, cut all unnecessary expense, but do not figure so close on help that stock will suffer, or your blocks produce second or third grades which should be first.

Second, fix a fair price so that if the stock sells it will give a profit, allowing for increased cost of both growing and selling.

Third, stick to your prices.

Fourth, do not figure that everybody else is hard up and will decrease their plantings, that you will keep yours up or increase. Make your planting list to correspond with the demand for your own products.

Fifth, if the first war year proves to be a blighter on our business, borrow a little more and pull through; better years are bound to come.

Sixth, keep your chin up, your feet on the ground, your faith in God and the

United States at white heat, your faith in the nursery outcome still hotter, and know that the Lord helps those who help themselves, and that 500 nurserymen working together, each willing to give the other 499 members and everyone of their customers an absolutely square deal, are as nearly likely to succeed as anything subject to human control can.

Prof. L. C. Corbett gave an interesting talk on fruit production. He said, in part:

"Having brought into existence activities so diverse and of such great economic importance there is, as a result, a trust imposed, which we are bound to respect and do our best to execute. This trust, as I see it, is to foster an interest in amateur nursery practices which will safeguard the commercial fruit interests of the Nation."

"Because of the marvelous extent of our commercial fruit interests, many nurserymen as well as professional horticulturists have neglected the amateur side. This sentiment should not be allowed to develop to the detriment of horticultural progress. The aesthetic features and the tone to the fruit industry have come and will continue to develop through the activities of the amateur. He is interested in the new, the unusual, and along with this is given to importing and breeding new and rare things."

"The Federal and State machinery should not be left to solve all the problems of fruit production. The individual who loves plants will find ample play for all his skill and powers in any field of plant activity to which he may devote himself. We need a new generation of Jeffersons, Downings and Wilders. We are lagging in the refinements of fruit and flower production."

"The glitter of gold has dimmed our aesthetic senses and we have sacrificed the delectable flavor and aroma of the 'pomme par excellence' for the apple of commerce. Let us encourage the efforts of the amateur in every line of horticultural endeavor. We will improve our standards of excellence and educate our consumers. The trouble today is that people buy apples because they are red, not because they are good. To intelligently choose apples one must know apples. The development of the amateur class will accomplish the education now lacking."

Officers were elected as follows: President, Lloyd C. Stark, Louisiana, Mo.; vice-president, J. R. Mayhew, Texas; treasurer, E. W. Hill, Iowa. Executive committee, T. B. West, Ohio; E. W. Chattin, Tennessee; C. C. Mayhew, Texas.

The trade exhibits, which were as follows, while not extensive, were interesting:

Thos. Meehan & Sons, Inc., Dresher, Pa., raffia, tree caliper and hydrangeas.

H. A. Dreer, Philadelphia, lilacs, deutzias, etc

Angier Mills, Ashland, Mass., wrapping papers.

Princeton Nursery Co., Princeton, N. J., tree and shrubbery samples.

M. Greenbaum, New York, plant tubs.

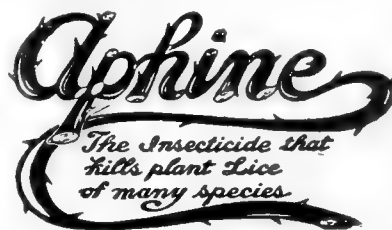
McFarland Publicity Service, Harrisburg, Pa., catalogues and literature. Harrison Nurseries, Berlin, Md., evergreens and shrubbery.

Old Dominion Nurseries (W. T. Hood & Co.), Richmond, Va., American arbor-vitae.

A. B. Morse & Co., St. Joseph, Mich., catalogues and trade literature.

Lester Lovett, Milford, Del., photos of hedge plants and literature.

Christy Color Printing & Engraving



The Recognized Standard Insecticide.
A spray remedy for green, black, white fly, thrips and soft scale.
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For mildew, rust and other blights affecting flowers, fruits and vegetables.
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For eel worms, angle worms and other worms working in the soil.
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Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c.; Pint, 40c.; Quart, 75c.; 1/2 Gallon, \$1.25; Gallon, \$2; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50. Directions on package.

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Fives, \$6.50

Try with 24 parts water. Often effective weaker.

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Rochester Lithographing Co., Rochester, N. Y., does all the color catalogue work.

J. Van Lindley Nursery Co., Pomona, N. C., prints the

Lloyd C. Stark,

the newly elected president of the American Association of Nurserymen, whose portrait appears herewith has good fighting blood in his veins for his great uncle was General Stark, of Revolutionary fame, and he himself was commended by President Roosevelt for services as an ensign in the navy. He served last year as vice-president. He is only 30 years old—y younger by 15 years than anyone who has held the office before. Before entering the nursery business four years ago Mr. Stark was a naval officer. When a student at the Naval Academy he was a member of the rifle team, and received a letter of commendation from President Roosevelt for his marksmanship. He later was assistant officer in command of the batteries of the battleship Montana when she established a record for gunnery.

ST. LOUIS

F. C. Weber, Sr., leaves this week with his family for northern Wisconsin where he will stay several weeks.

The St. Louis Wholesale Floral Co. held a meeting June 26. Officers were elected as follows: D. S. Geddis, president; Jules Bourdet, vice-president; S. P. Maid, treasurer and secretary.

We regret to announce the loss suffered by Paddy Patton, head salesman at Wm. C. Smith's, in the death of his father, who was eighty years old and a veteran of the Civil War. He was buried Wednesday, June 27, with military honors at Jefferson Barracks. Many floral offerings came from friends and local florists.

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doubtfully the finest stock.

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MICHELL'S GIANT EXHIBITION, MIXED

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Giant Trimardeau Mixed 30 1.25

GIANT SORTS In Separate Colors.

	Trade Pkt.	Oz.
Azure Blue	\$0.40	\$2.25
Black Blue	.40	2.25
Emperor William, blue	.40	2.25
Hortensia Red	.40	2.50
King of the Blacks	.40	2.25
Lord Beaconsfield, purple violet	.40	2.25
Peacock, blue, claret and white	.40	3.00
Snow Queen, pure white	.40	2.25
Striped and Mottled	.40	2.25
White with Eye	.40	2.25
Pure Yellow	.40	2.25
Yellow with Eye	.40	2.25

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Thoroughly tested at our trial grounds, Raynes Park, London, England. Send for Catalogue

CARTERS TESTED SEEDS, Inc., 166 Chamber of Commerce Bldg., Boston, Mass.

NEWS NOTES.

Nampa, Ida.—The greenhouse range of Sherman Ludlow has been purchased by C. K. Jensen and George Rinaldo.

Bowling Green, O.—W. W. Milnor's range of houses has been sold to the H. J. Heinz Company, who will use them to grow young vegetable plants.

New York.—The following parties have been appointed to serve as a committee on seeds of the New York Produce Exchange, for the ensuing year: William Jacot, Marshall H. Duryea, Ernst Wehncke, O. W. F. Randolph, Charles Wimmer.

C. E. Wildon, city garden supervisor, of the Springfield (Mass.) committee on food production has sent out a useful bulletin on the control of the Rose Chafer, Control of Ants and the proper spraying of potatoes, beans, tomatoes and other vegetables.

Fresno, Cal. On June 22 fire destroyed the greenhouse of W. W. Mc-

Aboy, 2804 Hammond avenue. The blaze started from embers of a brush fire. The office was saved by berry pickers but the frame of the greenhouse and a great number of plants were destroyed. The loss is placed at approximately \$1,000.

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Worm Food gets them Pounds 25c, 5lbs \$1.00

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5000, \$27.50 per 10,000; Lath-house grown
Seed, \$2.00 per 1000, \$9.00 per 5000, \$17.50
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Pink Salmon White

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\$12.50 per 100

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NEW CROP NOW READY.

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7 to 9 in. (300 bulbs to case)...	\$5.50	\$50.00
8 to 9 in. (250 bulbs to case)...	7.00	65.00
8 to 10 in. (225 bulbs to case)...	9.00	80.00
9 to 10 in. (200 bulbs to case)...	10.00	95.00

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MAILED ONLY TO THOSE WHO PLANT
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8/10, 200 to a case.....	\$80.00 per 1000
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BET, CARROT, PARSNIP, RADISH and
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as well as a full line of Garden Seeds, will
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For Quality and Promptness
4 PARK ST. - BOSTON

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La Veta, Col. - Le Roy P. Springer.

New York, N. Y.—George Allen, removing to 546 West 168 street

Fishkill-on-Hudson, N. Y. -Spy Hill Conservatories, 220 Main street.

San Jose, Cal.—C. C. Navlet & Co., removing to San Fernando street.

NEW CORPORATIONS.

Sanford, Me. Huff, florist, \$10,000, par \$100. President and treasurer, George W. Huff; Clerk, Eva S. Huff.

Regina, Sask., Can.—Regina Florist Co., Ltd., capital stock, \$10,000.

Toronto, Ont.—W. J. Lawrence Floral Co., wholesale and retail florists, 152 Roselawn avenue, capital stock, \$75,000.

Terre Haute, Ind.—Dinkle Gardens, florists, capital stock, \$10,000. Incorporators, Gertrude, William and Herbert Dinkle.

Gibson City, Ill.—Peterson Floral Co., capital stock, \$10,000. Incorporators, Andrew and Mathilda Peterson and H. E. Ramsdell.

Chicago, Ill.—MacMore Farm Seed Company, capital stock, \$5,000. Incorporators, Dorothy R. Summers, Irving G. Zazove and S. F. Black.

Greensboro, N. C.—Piedmont Seed & Store Company, capital stock, \$25,000. Incorporators, A. F. Messick, W. C. Humphries and F. L. De Vane.

Burlington, Wis.—Burlington Floral Company, capital stock, \$25,000. Incorporators, Frank A. Mueller, Henry J. Heiderman and Mrs. Dora Plate.

Cleveland, O.—Monarch Florist Co., capital stock, \$5,000. Incorporators, E. C. Prior, M. L. Prior, J. W. Stranahan, J. E. Stranahan, and E. S. Davis.

NEWS NOTES.

Catskill, N. Y.—The Red Cross flower show here last week was a charming success. Henry Hanson and George Pierson, florists of Catskill and Jefferson, respectively, were generous contributors.

Mt. Vernon, N. Y.—Frederick J. Dodson, for the last five years manager of Arthur Dummett's flower shop, 25 South Fourth avenue, has resigned. Mr. Dodson heads a commercial apple orchard company in Delaware.

Buffalo, N. Y.—The sale of carnations by young ladies for the benefit of the Red Cross at W. J. Palmer & Sons down-town store netted \$465.66 and we have received a photograph of the receipt therefor signed by Red Cross War Fund Committee Team No. 17.

BUSINESS TROUBLES.

Secaucus, N. J.—Voluntary petition in bankruptcy has been filed in the United States District Court by Abraham D. Scheinfeld, florist, of Secaucus, N. J., who gave his liabilities, unsecured, as \$6,454.56, and assets as \$1,324.78. The case was referred by Judge Haight to Referee-in-Bankruptcy Beach of Jersey City.

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Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn the Florist, 124 Tremont St.
Boston—Zinn The Florist, 4 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Cleveland, O.—Adam Graham & Sons, 5523 Euclid Ave.

Cleveland, O.—Knable Bros., 1836 W. 25th St.

Cleveland, O.—The Smith & Feters Co., 735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017 Grand Ave.

Los Angeles, Calif.—Howard & Smith, 853 So. Olive St.

New London, Conn.—Reuter's.

Newport, R. I.—A. T. Bunyard, 145 Bellevue Ave.

New York—J. H. Small & Sons, 505 Madison Ave., at 52d St.

New York—David Clarke's Sons, 2139-2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

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New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 701 Fifth Ave.

New York—Thos. F. Galvin, Fifth Ave., at 46th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28 Olive St.

St. Louis, Mo.—F. H. Weber's, N. E. corner of Taylor and Olive Sts.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West Adelaide St.

Washington, D. C.—Gude Bros., 1214 F St.

Washington, D. C.—George H. Cooke, Connecticut Ave. and L St.

Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop, 22 Pearl St.

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Euclid Avenue

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Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

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ALBANY, N. Y.

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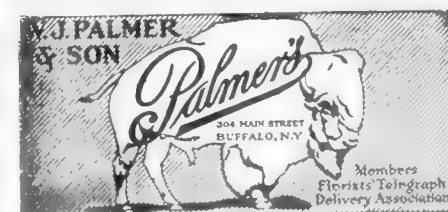
The largest cut flower store in America
Orders for the TWIN CITIES and for all
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KERR ORDERS FOR TEXAS
HOUSTON, TEXAS
The Florist Member F. T. D. Association

NEWS ITEMS FROM EVERYWHERE

NEW YORK.

Mrs. J. H. Potter and son arrived home from Cuba last week.

The big Greek-American Florists' picnic takes place on Wednesday, July 11, at Witzel's Point View.

The Cut Flower Exchange, 55-57 W. 26th street, has had its charter renewed for another period of 25 years.

The Florists' Club will meet Monday evening, July 9, at the usual place. Preparation for the S. A. F. convention will be the order of business.

Gilbert C. Josephson, who was with Max Schling, is now employed in supervising the truck gardens being cultivated by New York schoolboys on Staten Island.

Havana, Cuba, papers tell of a large and increasing flow of oil from the wells in which William Plumb is interested. Mrs. Plumb sailed for New York on the United Fruit steamer June 28.

We are pleased to be able to say that the veteran Charlie Carlin is out again after a short stay in the hospital. He will now go to Cornwall, N. Y., to rest up. The doctor told him he was good for the "hundred mark."

Julius Roehrs Company and Bobbink & Atkins were liberal exhibitors of plants and flowers at the annual flower show of the Rutherford Women's Association on June 26. Half the proceeds were donated to the Red Cross.

The Knight & Struck Company has transferred to Heatherhome Seed and Nursery Company, three acres in the village of Flushing, with a frontage of 442 feet on the east side of Parsons avenue, 200 feet north of Sycamore avenue and 282 feet on the south side of Higgins lane. The conveyance includes the nursery stock.

The endowment committee of the board of managers of the New York Botanical Garden has recently received important gifts for construction work. Daniel Guggenheim and Murry Guggenheim have each given \$50,000 toward the completion of the greenhouses on the eastern side of the grounds, along the Bronx Boulevard. These contributions provide means, also, for the construction of the central display greenhouse, within which lecture facilities will be arranged. In the center an unplanted area will be left, in which chairs may be placed and botanical and horticultural topics illustrated by living tropical and sub-tropical plants. The gifts of the Messrs. Guggenheim will also build an orchid house. A stone stairway, costing about \$2,000, forming the western approach to the new rose garden mansion, has been given by Mrs. Robert E. Westcott, and is essentially completed. The rose garden itself, on which construction has been in progress for a little over a year, has been planted this spring, with nearly five thousand rose bushes contributed through the Horticultural Society of New York. A gift of \$4,000 has been made by Mrs. Frederick F. Thompson for the construction of the shelter-house planned for the new school garden.

CHICAGO.

The Chicago Flower Growers' Association will hold its seventh annual meeting July 16.

Mr. and Mrs. Philip Schupp and daughter are spending the week ends at their cottage at Williams' Bay.

E. C. Warren, credit man for Poehlmann Bros., is in poor health and will take a vacation from the store till September 1st.

A. Miller, president of the American Bulb Co., and his bride, who was Miss Phyllis Beilman, are expected home from their wedding trip this week.

Schiller's Gift Shop, 36 S. Wabash avenue, has closed and R. H. Schiller, who has been in charge of it, will now devote his time to the north and west side stores.

One of the department stores has 75 large vases of peonies staged in a space adjoining their seed department giving customers an opportunity to see the blooms before placing orders.

A card from A. Pasternick announces the safe arrival of the young men who left the wholesale flower stores for life in the west. Their first impressions upon arrival were very pleasant.

O. A. & L. A. Tonner call attention to the fact that there is always one week in each peony season when that flower will not sell and that was the case last week. The glut came as the last of the local crop was cut.

Robert Northam, manager of the George Reinberg wholesale store, says the Mrs. Russell is the finest pink rose grown today. It has been in splendid condition all winter and now in summer its color is almost as good.

A. L. Koehler, of the American Bulb Co., leaves next week for Colorado where, with Mrs. Koehler, he will spend two weeks in the mountains. Another member of the firm, Robt. Newcomb, has been on the coast for some time and spent the Fourth of July with his mother at San Demas, Cal.

Plant supply is at very low ebb. There is nothing now to offer in blooming plants. The last of the calceolarias, which have done splendid window service until now, are gone. Palms, ferns and aspidistras, not having been imported from Europe this season, are not to be had in any considerable number.

BOSTON.

Fred Feingold, formerly with Smalley, Chelsea, has been offered a salesman's position with Penn, the Florist.

John K. M. L. Farquhar has been unanimously confirmed as a member of the Boston Park Commission by the Civil Service Board.

Penn, the Florist, had a very fetchy advertisement of the shower bouquet in the Boston daily papers under the caption of "The Keynote of a Pretty Wedding."

Francis Lazenby, who has had charge of the Stone estate, Plymouth, Mass., has been employed by R. & J. Farquhar Co., to take charge of their nursery department at Dedham.

Many distinguished votaries of the Sweet Pea are expected in town at the end of this week in attendance upon the annual meeting and exhibition of the American Sweet Pea Society.

N. T. Kidder of Milton, ex-president of the Massachusetts Horticultural Society, has presented over two hundred volumes of standard botanical books to the New York Botanical Garden.

ROCHESTER.

Rose Day was held June 30th at Highland Park.

George Boucher has the decorations for the boot and shoe style show early in July.

William Dunbar, son of John Dunbar, will take a summer course at Harvard College.

The Peony Show at Convention Hall, June 29 and 30 for the benefit of the Red Cross was pronounced by experts as the greatest ever held, over 500 varieties being shown. The general scheme was a cross of red peonies outlined by white peonies. Directly above on the ceiling was a cross of red electric lights. The ceiling was draped in white fire-proof cheese cloth, garnished with asparagus, and the lighting was very soft and beautiful. The lady florists served refreshments. Music was furnished by Lapham's orchestra and many indulged in dancing. E. P. Wilson was chairman of the decorating committee.

PITTSBURGH PERSONALS.

Albert F. Vlick will leave on the twenty-first inst. to visit his family in Rochester, N. Y.

James A. McCarthy left last Saturday to spend a two-weeks' vacation at Conneaut Lake, Pa.

William A. Clarke expects to leave shortly to join his family at their cottage at Stow, Chautauqua, Lake, N. Y.

H. BAYERSDORFER & CO.
Manufacturers and Importers
 1129 Arch St. PHILADELPHIA, PA.
 A Full Line of Bridal Accessories for the June Wedding Decorations
STOCK UP NOW
THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

Obituary

Abram L. Pennock.

Abram L. Pennock died at his home in Lansdowne near Philadelphia on the 29th ult. His passing away full of years and honors was hastened by illness resulting from excitement at a fire in his son-in-law's residence nearby. Less than three weeks ago the family celebrated the golden wedding and the historical sketch published in HORTICULTURE June 16th is hereby appropriately reprinted. The writer can say no more now than he said on that occasion—except that we then wrote in joyful spirit while now we pen in sadness and farewell.

GEORGE C. WATSON.

(From Horticulture, June 16, 1917.)

Abram L. Pennock and wife (nee Anna M. Cadwalader) celebrated their golden wedding at Lansdowne on the 5th inst. Some forty of the family took part in the function which was strictly private and confined to immediate relatives. Mr. Pennock was born Nov. 3rd, 1827, on the ancestral homestead, 12th street, below Market, Philadelphia—so that by his next birthday he will have reached the venerable age of 90. His connection with the flower business dates back to 1861, when he formed a partnership with his brother, J. Liddon Pennock, under the title of Pennock Bros., and did business there for over a dozen years. In 1870 an interest in the business was acquired by John Westcott and Thomas Cartledge. Some six or eight years afterwards Herbert A. Pennock was given a portion of his father's interest and became a member of the firm. He had been the confidential bookkeeper for the company for many years. In 1875 the property at 12th and Market streets was sold to make way for what is now the Wm. Penn Charter School, and the firm bought the property at 1514 Chestnut street, where it still remains. Mr. Westcott and Herbert A. Pennock sold out their interests in 1892, and Mr. Cartledge was succeeded by his son, Alfred B., in 1896—who with J. Liddon Pennock, Jr., now constituted the firm, the founder, Abram L. Pennock, retaining only a financial interest. From this it will be seen that while retired from active business for some years Abram L. Pennock has been a prominent factor in the florist world of Philadelphia for over half a century, and is its "grand old man." He has been not only a great business man but is a wit, philosopher and poet, and has been a benign influence with all with whom he has come in contact during his long and distinguished career. His ancestors came over with William Penn and the numerous descendants have added lustre to the name as generation succeeded generation. There are many distinguished Pennocks in the front ranks today in many walks of life, and they but follow in the footsteps of their fathers, of whom none is held in greater esteem than the subject of this sketch—the modest, gentle, wise and unassuming Abram L. Pennock—one of the finest men I have ever known.

The funeral was attended by a large and representative body of citizens

on Monday, the 2nd, inst. Among them were many in the horticultural trades. Interment was private.

Benno L. Hart.

News has just been received of the sudden death of Benno L. Hart, of Cleveland, O., after an illness of only a few days, which is a grievous shock to a large circle of florist associates. Mr. Hart, together with his brother, Albert, has been conducting the business of his father, Herman A. Hart, since the retirement of the latter, about five years ago, after a successful career of nearly forty years.

Harrison E. Mann.

Harrison E. Mann, retail florist at 2440 Vliet street, Milwaukee, Wis., died at his home June 18th, at the age of twenty-eight years. He was formerly employed by Nic Zweifel and Gust. Rusch & Company. He started in business for himself last summer, but on account of ill health was forced to give up all work a few months later. He is survived by his mother and one brother.

Mrs. Jack Keck.

The funeral of Mrs. Jack Keck took place Monday. Mr. Keck, who is proprietor of "The Elite Florist," 9002 Cedar avenue, Cleveland, O., has the sincere sympathy of his many friends among the fraternity of florists.

William F. Zane.

William F. Zane, senior member of the firm of Wm. F. Zane & Son, florists, died suddenly at his home in Wheeling, W. Va., on June 17. He leaves a widow, two sons and three daughters.

Mrs. Henry Bester.

Mary M. Bester, florist, widow of Henry Bester, died in Hagerstown, Md., aged sixty-five years. She is survived by four children.

HOTEL CUMBERLAND

NEW YORK, Broadway at 54th Street



Broadway cars
from Grand
Central Depot

7th Avenue Cars
from Penn'a
Station

New and
Fireproof

Strictly First-Class
Rates Reasonable

Rooms with Adjoining Bath
\$1.50 up

Rooms with Private Bath
\$2.00 up

Suites \$4.00 up

10 Minutes Walk to 40 Theatres

Send for Booklet

HARRY P. STIMSON

Formerly with Hotel Imperial

Only New York Hotel Window-Screened Throughout

PERSONAL.

Mr. and Mrs. C. J. Olinger and son James, of West Palm Beach, Fla., have gone to Conway, Mich., for a six weeks' stay there.

James Bond, who has been superintendent of the Brooks estate in Newport, R. I., now goes to take charge of the Gugenheimer place (Castle Gould) at Port Washington, Long Island, N. Y., as successor to William Vert.

To Leisureland

where woods are cool, streams alluring, vacations ideal. Between New York City (with Albany and Troy the gateways) and

Lake George
The Adirondacks
Lake Champlain
The North and West

The Logical Route is "The Luxurious Way"

Largest and most magnificent river steamships in the world

DAILY SERVICE

Send for free copy of Beautiful "Searchlight Magazine"

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COMPANY

Pier 32, North River

New York

"The Searchlight Route"

10,000 BEAUTY ROSE PLANTS

2 1-4 inch \$60.00 per 1000

Special price in quantity

THE LEO NIESSEN CO.

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.

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Before Looking Elsewhere

Tell Them You Did So And
They'll Reciprocate

EDWARD REID WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

H. M. ROBINSON & CO.

BOSTON'S FOREMOST

Wholesale and Commission Florists

32 Otis Street,

2 Winthrop Square

BOSTON, MASS.

Telephone 2618-2617-2616, Main.

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

262B DEVONSHIRE ST., BOSTON, MASS.
Telephone, Main 6267-6268

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$2.00. 50,000...\$8.75. Sample free.
For sale by dealers.

E. G. HILL CO.

Wholesale Florists

RICHLAND, IND.

Please mention Horticulture when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service

ZECH & MANN

We are Wholesale Florists Doing
a Strictly Wholesale Business

30 East Randolph Street, CHICAGO

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON July 5		ST. LOUIS July 2		PHILA. July 2	
Roses						
Am. Beauty, Special	12.00	to 15.00	to 25.00	20.00	to 25.00	
" " Fancy and Extra	8.00	to 10.00	to 12.50	12.50	to 15.00	
" " No. 1 and culls	3.00	to 6.00	to 3.00	3.00	to 10.00	
Russell, Euler, Mock	1.00	to 6.00	5.00	to 12.50	3.00	to 15.00
Hadley	1.00	to 8.00	8.00	to 12.50	2.00	to 10.00
Arenberg, Hoosier Beauty	.50	to 4.00	4.00	to 8.00	2.00	to 8.00
Ward	.50	to 4.00	2.00	to 6.00	2.00	to 4.00
Killarney, Radiance, Taft	.50	to 3.00	2.00	to 6.00	1.00	to 8.00
Ophelia, Sunburst, Hillingdon	.50	to 5.00	3.00	to 6.00	2.00	to 8.00
Carnations	.25	to .50	1.00	to 2.00	.50	to 3.00
Cattleyas	3.00	to 50.00	to 75.00	35.00	to 50.00	
Dendrobium formosum	1.00	to 2.00	8.00	to 10.00	6.00	to 8.00
Lilies, Longiflorum	5.00	to 6.00	to 8.00	6.00	to 8.00	
Lilies, Speciosum	1.00	to 2.00	4.00	to 6.00	1.00	to 2.00
Lily of the Valley	1.00	to 2.00	to 2.00	to 2.00	to 2.00	
Snappedragon	1.00	to 8.00	4.00	to 6.00	4.00	to 6.00
Peonies	1.00	to 8.00	4.00	to 6.00	4.00	to 6.00
Gladioli	1.00	to 8.00	4.00	to 6.00	4.00	to 6.00
Asters	1.00	to 8.00	4.00	to 6.00	4.00	to 6.00
Calendulas	.25	to .50	to .25	.25	to 1.00	
Sweet Peas	.50	to 1.00	to .50	.50	to 1.00	
Marguerites	1.00	to 2.00	to 2.00	to 2.00	to 2.00	
Gardenias	1.00	to 2.00	to 2.00	to 2.00	to 2.00	
Adiantum	1.00	to 2.00	to 2.00	to 2.00	to 2.00	
Smilax	1.00	to 2.00	to 2.00	to 2.00	to 2.00	
Asparagus Plumosus, & Spreng. (100 Bchs.)	2.00	to 25.00	to 35.00	25.00	to 50.00	

WILLIAM F. KASTING Co.

Wholesale Florists

568-570 WASHINGTON STREET - BUFFALO, N. Y.

J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS



Flower Market Reports

BOSTON The flower markets are a solitude these days. Of flowers there is still quite a heavy cut coming in. Peonies are about ended but there are heavy receipts of carnations and roses for which there is a very light sale and quantities of these as well as lilies have to be thrown away for lack of a taker. Sweet william, gypsophila, larkspur and sweet sultan are in strong evidence this week. There is comparatively no lily of the valley but plenty of cattleyas of superb quality.

The last week in June brought a fair amount of business to the wholesalers. Commencements are over and weddings are few, but the week's sales were not discouraging. Peonies were the most unsatisfactory for all the local ones were cut to avoid further rain and the market was flooded with them, including many poor ones. Many were put into cold storage and others sold for very low prices or thrown away. This week opens with peonies taken from cold storage. In roses, Mrs. Russell, Milady, Sunburst and Ophelia are the leaders, and splendid stock of each is offered at very moderate prices. Carnations are not improving but there is some very fair stock coming. Large spikes of gladiolus in several rich shades and quantities of gypsophila are offered. Also some very good summer sweet peas. Smilax is scarce and high. Ferns are coming in good supply from Wisconsin and Michigan.

The market is in the usual condition of early summer. There is enough stock for all needs, but only a small part of it is of any real quality. Demand is steady but not particularly strong. Shipping business is pretty fair. Roses are in a large supply but the greater part of them are short. Lilies are of excellent quality. Gladioli and snapdragons are meeting with a good market. Greens are plentiful.

The flower market is hopelessly defunct for the time being and there is little in the prospects as they appear now to cause jollification in the bosoms of the producers of summer flowers as the resorts have not yet shown any evidence of gaiety. However, it is still early in the season and it is allowable to look on the hopeful side still. The quantity of flowers in sight every day is greatly reduced. Quality, considering the weather of

late, is fairly acceptable but there are a good many bedraggled carnations and lilies and bursted roses and these nobody wants; in fact, they cannot be given away.

Market about as usual for the time of year. Supplies of most of the staples seem to have held up a little longer than in former seasons but they have now fallen off very considerably and will continue to decrease as the summer advances. The best rose coming in at present is Mrs. Russell, although that great flower is showing the effects of the hot weather. Beauties have been rather plentiful the best coming from eastern points. There are some very good Ophelia and Sunburst. What

few good whites there are bring good prices but most of them are under grade. Carnations are getting smaller but there are still a few good ones the best being Ward, Matchless and Enchantress Supreme, but the hot weather has had a marked effect on all. Sweet peas are now mostly outdoor stock and are fairly good. Gladioli are not as plentiful as usual probably on account of the lateness of the season. Orchids are in good supply with demand fair.

Early July, as usual, finds the trade experiencing a downright slump in business. On the Fourth the retailers closed for the day, the majority participating in the big

(Continued page on 21)



CORPORATION NOTICE

Official Notice is hereby given of changes in the personnel of the Corporation of S. S. PENNOCK-MEEHAN CO., taking effect July 1st, 1917.

DIRECTORS

S. S. PENNOCK, President.
 PERCY B. RIGBY, Vice-Pres. and Mgr. New York Store.
 EDWIN J. FANCOURT, 2d Vice-Pres. and Mgr. Ribbon & Supply Dept.
 CLARENCE U. LIGGIT, Treas. and Mgr. Plant and Bulb Dept.
 RALPH E. FAUST, Secretary.
 ALVAH R. JONES, Mgr. Philadelphia Cut Flower Dept.
 JOHN J. PERRY, Mgr. Baltimore Store.
 OTTO BAUER, Mgr. Washington Store.

CHARLES E. MEEHAN Retires as First Vice-President

The Name of the Corporation will be

S. S. PENNOCK COMPANY
PHILADELPHIA, PENN.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI July 2	CHICAGO July 2	BUFFALO July 2	PITTSBURGH July 2
Roses				
Am. Beauty, Special.....	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00	20.00 to 25.00
" " Fancy and Extra.....	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	15.00 to 15.00
" " No. 1 and culls.....	4.00 to 10.00	4.00 to 10.00	2.00 to 4.00	3.00 to 10.00
Russell, Euler, Mock.....	4.00 to 10.00	3.00 to 20.00	6.00 to 8.00	3.00 to 10.00
Hadley.....	4.00 to 10.00	..... to	5.00 to 8.00	..... to
Arenberg, Hoosier Beauty.....	4.00 to 8.00	..... to	4.00 to 8.00	..... to
Ward.....	3.00 to 5.00	2.00 to 6.00	2.00 to 5.00	3.00 to 10.00
Killarney, Radiance, Taft.....	3.00 to 6.00	2.00 to 6.00	2.00 to 6.00	3.00 to 10.00
Ophelia, Sunburst, Hillingdon.....	3.00 to 8.00	2.00 to 8.00	3.00 to 8.00	3.00 to 10.00
Carnations.....	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00	1.00 to 2.00
Cattleyas.....	..... to 75.00	60.00 to 75.00	50.00 to 60.00	..... to 75.00
Dendrobium formosum.....	..... to .....	..... to .....	..... to .....	..... to
Lilies, Longiflorum.....	8.00 to 10.00	6.00 to 10.00	8.00 to 10.00	6.00 to 10.00
Lilies, Speciosum.....	..... to .....	..... to	3.00 to 4.00	..... to
Lily of the Valley.....	..... to 6.00	4.00 to 6.00	6.00 to 8.00	..... to 6.00
Snapdragon.....	3.00 to 6.00	3.00 to 6.00	3.00 to 5.00	..... to
Peonies.....	..... to .....	..... to	2.00 to 3.00	4.00 to 6.00
Gladioli.....	4.00 to 8.00	4.00 to 8.00	6.00 to 8.00	4.00 to 6.00
Asters.....	..... to 2.00	..... to 2.00	..... to .....	..... to
Calendulas.....	..... to 2.00	..... to 2.00	1.00 to 2.00	..... to
Sweet Peas.....	.35 to .50	.50 to 1.00	.50 to 1.00	.20 to .50
Marguerites.....	.50 to 1.00	.50 to 1.00	1.00 to 1.25	1.00 to 2.00
Gardenias.....	..... to .....	..... to .....	..... to .....	..... to
Adiantum.....	..... to 1.00	1.00 to 1.25	1.00 to 1.25	1.00 to 1.25
Smilax.....	..... to 15.00	20.00 to 25.00	15.00 to 20.00	..... to 20.00
Asparagus Plu. & Spren. (100 Bhs.)	25.00 to 35.00	25.00 to 50.00	30.00 to 50.00	30.00 to 75.00

H. E. FROMENT

Wholesale Commission Florist
Choice Cut Flowers
New Address, 141 West 28th St., NEW YORK
Telephones: 2200, 2261, Madison Square.

HENTZ & NASH, Inc.

Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 755
Farragut New York

WM. P. FORD

Wholesale Florist
107 W. 28th Street, NEW YORK
Telephone 5335, Farragut.
Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT

WHOLESALE FLORIST
108 WEST 28th ST
CONSIGNMENTS SOLICITED
PHONE / 608 / 609 / FARRAGUT NEW YORK

JOHN YOUNG & CO.

WHOLESALE FLORISTS
53 WEST 28th STREET NEW YORK CITY
Consignments Solicited
Phone 7862 Madison Square

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Lemonthoe, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorative Evergreens.
Tel. { 1983 / 5083 } Mid. Is. 119 W. 28 St., New York

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Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

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24 Stone St., Rochester, N. Y.

RIEDEL & MEYER, Inc.

Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

P. J. SMITH

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.

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ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

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Wholesale Florist
55 and 57 W. 26th Street, NEW YORK
Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the

BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.

PAUL MECONI — Wholesale Florist — NEW YORK

Telephone Nos. 3864 and 8364 Madison Square

57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER MORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists
Phones: Farragut 558, 2036 and 2037 111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending June 30 1917		First Half of Week beginning July 2 1917	
American Beauty, Special	15.00	to 20.00	15.00	to 20.00
" " Fancy and Extra	10.00	to 15.00	10.00	to 15.00
" " No. 1 and culls	1.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock	.50	to 8.00	.50	to 6.00
Hadley	1.00	to 20.00	1.00	to 12.00
Arenberg, Hoosier Beauty	.50	to 4.00	.50	to 4.00
Ward	.50	to 4.00	.50	to 4.00
Killarney, Radiance, Taft	.50	to 4.00	.50	to 3.00
Ophelia, Sunburst, Hillingdon	.50	to 4.00	.50	to 4.00
Key	.50	to 4.00	.50	to 4.00
Carnations	.25	to 1.00	.25	to 1.00

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Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
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MAKE YOUR OWN CHRISTMAS WREATHS START THEM NOW

USE OUR NATURAL PREPARED
GREEN LYCOPodium
Fire proof and guaranteed not to become brittle. Put up in convenient size carton.
10 lbs. net. This is a good substitute for Sea Moss.
PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street
PITTSBURGH, PA.

Flower Market Reports

(Continued from page 19)

McCallum outing given at their farm in Butler county. There are plenty of flowers, prices being just about what one could expect at this season. Splendid sweet peas are still in, but bringing practically nothing in return. There are also plenty of fine lilies and American Beauty roses. Good carnations are still holding their own.

Bridal work

ROCHESTER, N. Y. has been unusually plentiful during the past week. There is a large supply of peonies, larkspur, roses, gaillardia, bachelor buttons, sweet william, white daisy, etc., and prices are low. Roses of all kinds are plentiful but sweet peas are slowing up considerably and lily of the valley is very scarce. Orchids are good. Gladiolus moves fairly well. Carnations are getting small and are at low prices.

Trade at a standstill.

ST. LOUIS Stock now coming in is looking badly, although there may be seen some good roses and carnations for this time of the year.

Local florists are

WASHINGTON well pleased with the way in which business is keeping up this year. Demand has been above normal and there has been a great deal of activity. There is sufficient stock with the exception of lily of the valley and callas. Peonies have reached their end. Sweet peas and carnations are offered in quantities. Good roses are to be had at moderate prices and the demand is fair. Shasta daisies are in. Due to the existing conditions the local wholesalers are no longer handling lily of the valley. Retail florists in nearby cities and towns, depending upon Washington for their supplies of this flower should take notice of this. There will be no more lily of the valley until fall.

Visitors Register

Cincinnati—Herbert Pennock, Jupiter, Fla.

New York—A. M. Vander Schoot, Hillegom, Holland; H. E. Huniston, Chicago; B. L. Elliott, Pittsburgh, Pa.; Sydney Bayersdorfer, Phila.

Philadelphia — P. Joseph Lynch, Heller Bros Co., New Castle, Ind.; Elmer Weaver, Ronks, Pa.; Geo. W. Evender, Williamsport, Pa.

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American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.
STORE OPEN FOR BUSINESS AT 6 A. M. TELEPHONE MAIN 2698.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending June 30 1917	First Half of Week beginning July 2 1917
Cattleyas.....	15.00 to 50.00	15.00 to 40.00
Dendrobium formosum.....	..... to 40.00	..... to 40.00
Lilies, Longiflorum.....	1.00 to 3.00	1.00 to 3.00
Lilies, Speciosum.....	1.00 to 3.00	1.00 to 3.00
Lily of the Valley.....	4.00 to 6.00	4.00 to 6.00
Snappedrago.....	1.00 to 3.00	1.00 to 3.00
Spanish Iris.....	..... to .....	..... to
Peonies.....	.50 to 1.00	.50 to 1.00
Gladioli.....	.50 to 4.00	.50 to 4.00
Calendulas.....	.50 to 1.00	.50 to 1.00
Sweet Peas.....	.15 to .50	.15 to .50
Marguerites.....	.50 to 1.00	.50 to 1.00
Gardenias.....	10.00 to 20.00	10.00 to 20.00
Adiantum.....	.50 to 1.00	.50 to 1.00
Smilax.....	15.00 to 20.00	15.00 to 20.00
Asparagus Plumosus, & Spren (100 bunches).....	15.00 to 25.00	15.00 to 25.00

J. K. ALLEN, WHOLESALE COMMISSION FLORIST
Always Ready to Receive Consignments and Can Market Them Satisfactorily.
Wanted Specially, Early Peonies, Gladioli, etc., for Spring Trade.
A Clean Record For Thirty Years
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Washington—R. E. Glover, Hubert Bulb Company, Portsmouth, Va.; F. Fallon, Roanoke, Va.; George H. Cooper, Denver, Colo.; Leonard Barron, Garden City, N. Y.

Chicago—John E. Lapes, Cedar Rapids, Iowa; C. B. Knickman, representing McHutchison & Co., New York; Christ, Winterich, Defiance, O.; F. C. Weber, St. Louis, Mo.; Mr. Ives, Albuquerque, N. M.

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Florists' Supplies
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and are dealers in
Decorative Glassware, Growers and
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Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display Advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
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ASPARAGUS SEED

S. S. Skidelsky & Co., Philadelphia, Pa.
Plumousus Nanus.
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ASPARAGUS

Asparagus Plumosus Seedlings, \$1.00 per 100, \$3.00 per 1000. Ready May 1st. COLLINGDALE GREENHOUSES, Collingdale, Pa.

ASTERS

Asters—Thinly sown, strong field-grown plants, fully as good as transplanted: Queen of the Market, Simple's Branching, Crego and Mikado, separate colors, \$3.50 per 1000. Cash. BRILL CELERY GARDENS, Kalamazoo, Mich.

AXALMAS

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BEGONIAS

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Chattelaïne Begonias, 2½-inch pots, in full bloom now, \$3.00 per 100, \$25.00 per 1000. HENRY F. MICHELL CO., 518 Market St., Philadelphia, Pa.

BEGONIA LORRAINE.

2½-in. pots, \$14.00 per 100; \$120.00 per 1000.

BEGONIA MRS. J. A. PETERSON.

2½-in. pots, \$20.00 per 100; \$150.00 per 1000.

JULIUS ROEHRS COMPANY,

Rutherford, N. J.

BEDDING PLANTS

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C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK BRANCH, 8-10 Bridge St.

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CARNATIONS

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CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post-paid. I. L. PILLSBURY, Galesburg, Ill.

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CYCLAMENS

CYCLAMEN. Best strain, separate colors, mixed, 2½ in. pots, \$7.50 per 100; \$60.00 per 1000. J. H. FLESSER, North Bergen, N. J.

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Best strain separate colors or mixed. 3-in. pots, \$10.00 per 100; \$90.00 per 1000. JULIUS ROEHRS COMPANY, Rutherford, N. J.

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Choice Flowering and Foliage Plants.
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30,000 Teddy and Scotti Ferns, extra fine stock, 2½-inch pots, \$1.50 per 100, \$40.00 per 1000; 4-inch, strong, \$15.00 per 100. HENRY F. MICHELL CO., 518 Market St., Philadelphia, Pa.

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Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

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Peerless Glazing Point.
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Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish goods, nets,
etc., wholesale. FRANKLIN BARRETT,
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Pa. Large breeding pairs for sale. Send
for price list.

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Lager & Hurrell, Summit, N. J.

HASSALL & CO., Orchid Growers and
Raisers, Southgate, London, England. Im-
mense stock of Cattleyas.

In writing to Advertisers kindly mention Horticulture

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French Peonies can be supplied with celebrity and security at the Bureau New York Catalogue from PLESSERT, Peony Specialist, Chamonix (I. & L.), France.

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

PECKY CYPRESS BENCHES

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Patrick Welch, 262 Devonshire St., Boston.

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New Rose "Lillian Moore."

ROSES, CANNAS AND SHRUBS.
THE CONARD & JONES COMPANY,
WEST GROVE, PA.

SASH

Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.

SEASONABLE PLANT STOCK

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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SEEDS

Carter's Tested Seeds.
Boston, Mass., and London, England.
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Joseph Brock & Sons, Boston, Mass.
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J. Bolgiano & Son, Baltimore, Md.
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A. T. Boddington Co., Inc., New York City.
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Chas. Schwake & Co., New York City.
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Michell's Seed House, Philadelphia, Pa.
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W. Atlee Burpee & Co., Philadelphia, Pa.
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R. & J. Farquhar & Co., Boston, Mass.
Gold Medal Cyclamen Seed.
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J. M. Thorburn & Co., New York City.
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Amt. C. Zvolanek, Lompoc, Cal.
Winter Flowering Sweet Pea Seed.
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Kelway & Son, Langport, England.
Seeds, Selected Strains.
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S. S. Skidelsky & Co., Philadelphia, Pa.
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W. E. Marshall & Co., New York City.
Seeds, Plants and Bulbs.
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August Rolker & Sons, New York City.
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Burnett Bros., 98 Chambers St., New York.
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Leonard Seed Co., Chicago, Ill.
Seeds and Seed Service.
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Roman J. Irwin, New York City.
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S. D. Woodruff & Sons, New York City and Orange, Conn.
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Thomas J. Grey Co., Boston, Mass.
Seeds, Bulbs, Implements.
For page see List of Advertisers.

Fottler, Flak, Rawson Co., Boston, Mass.
Seeds for the Florist.
For page see List of Advertisers.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.
Winter Orchid Flowering Peas.
For page see List of Advertisers.

TREE SURGERY

Davey Tree Expert Co., Kent, Ohio.

VASES

H. Bayersdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.
White Marsh, Md.
For page see List of Advertisers.

Celery plants, Golden Self Blanching (French strain), Giant Paschal, also the grand new Easy Blanching variety, which is easy to grow; fine plants, ready for the field, \$2.00 per 1000, or \$7.55 for 5000. Cash. BRILL CELERY GARDENS, Kalamazoo, Mich.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.
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The John A. Evans Co., Richmond, Ind.
For page see List of Advertisers.

VERMICIDES

Aphine Mfg. Co., Madison, N. J.
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VIBURNUM AND SHRUB SEEDS

Des. Viburnum Lentago Seed, 1916
stratified in damp sand, in prime condition, should be sown in August, germinates in September. \$2.00 per lb.; 200 transplanted seedlings Viburnum pubescens, 1 1/2 inch size, 20-24 in., 21-30 in., 50c., 75c.; 100 Sorts of seedling transplants, 12-15 in. tall. A. H. & N. M. LAKE, Marshfield, Wisconsin.

VINCAS

Vincas variegata from 4 in. pots, price \$10.00 to \$15.00 per hundred.
WM. CAPSTICK, Auburndale, Mass.

Vincas variegata, 3 1/2 and 4 inch pots, \$10, \$12 and \$15 per 100; 5 inch pots, \$18, \$20 and \$25 per 100. Cash with order, please. CHRISTOFFERSON BROS., North Beverly, Mass.

VINES

Flowering and Follage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Hissarik Nursery, New Rochelle, N. Y.

WHEAT SHEAVES

H. Bayersdorfer & Co., Philadelphia, Pa.
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WIRED TOOTHPICKS

W. J. Cowee, Berlin, N. Y.
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WIREWORK

Reed & Keller, New York City.
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WILLIAM E. HEILSCHER'S WIRE WORKS, 284 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.
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Baltimore

The S. S. Pennock-Meehan Co., Franklin and St. Paul Sts.
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Boston

Welch Bros. Co., 226 Devonshire St.
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Patrick Welch, 262 Devonshire St.
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H. M. Robinson & Co., 33 Otis St. and 2 Winthrop Sq.
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Bound Brook, N. J.

The Beechwood Heights Nurseries, Thos. Young, Jr., Prop.
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Brooklyn

Wm. H. Kuebler, 28 Willoughby St.
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Buffalo, N. Y.

William F. Kasting Co., 568-570 Washington St.
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Chicago

Pechmann Bros. Co., Morton Grove, Ill.
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J. A. Budlong, 184 North Wabash Ave.
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Zech & Mann, 30 East Randolph St.
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Kennicott Bros. Co., 183-85 N. Wabash Ave.
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Detroit

Michigan Cut Flower Exchange, 264-266 Randolph St.
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For List of Advertisers See Page 3

Est. 1765

Inc. 1904

Pot Makers for a
Century and a Half

HEWS STRONG RED POROUS POTS

World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.

If you need a boiler in a hurry telephone or telegraph at our expense

KROESCHELL BOILERS

SEND FOR CATALOG

Kroeschell Bros. Co., 466 W. Erie St., Chicago

WHOLESALE FLORISTS New York—Continued

H. E. Froment, 148 W. 28th St.
For page see List of Advertisers.W. F. Sheridan, 133 W. 28th St.
For page see List of Advertisers.P. J. Smith, 131 West 28th St.
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For page see List of Advertisers.Charles Millang, 55 and 57 West 26th St.
For page see List of Advertisers.W. P. Ford, 107 W. 28th St.
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For page see List of Advertisers.Traendly & Schenck, 436 6th Ave., between
26th and 27th Sts.
For page see List of Advertisers.Paul Meoni, 57 West 28th St.
For page see List of Advertisers.Riedel & Meyer, Inc., 49 West 28th St.
For page see List of Advertisers.George C. Siebrecht, 109 W. 28th St.
For page see List of Advertisers.John Young & Co., 53 West 28th St.
For page see List of Advertisers.M. C. Ford, 121 West 28th St.
For page see List of Advertisers.United Cut Flower Co., Inc., 111 W. 28th St.
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Philadelphia

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WHOLESALE FLORISTS Philadelphia—Continued

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Richmond, Ind.

E. G. Hill Co.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
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Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.
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NEW OFFERS IN THIS WEEK'S ISSUE

ASPARAGUS AND STOCK SEED

Arthur T. Boddington Co., New York City.
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CHRYSANTHEMUMS.

Charles H. Totty, Madison, N. J.
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CORPORATION NOTICE.

S. S. Pennock Co., Philadelphia, Pa.
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GREEN LYCOPODIUM.

Pittsburgh Cut Flower Co., Pittsburgh, Pa.
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TABLE FERNS.

A. M. Davenport, Watertown, Mass.
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WINTER FLOWERING SPENCER SWEET PEAS.

Arthur T. Boddington Co., New York City.
For page see List of Advertisers.

THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

THE NUT-GROWER

No. 2 Francis St.

WAYCROSS, GA.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

SITUATIONS WANTED

SITUATION WANTED by head Gardener, 18 years experience on large private estate. Age 33. Single. Wages \$75. Board, room. "G. D." care HORTICULTURE.

FOR SALE

For Sale:—in Pennsylvania on account of poor health, greenhouses, 27,000 feet of glass in good condition, Dwelling House, etc., and 8 acres of land in fine location. This is a good chance for a live party with some cash. Possession on short notice. Address "C." care HORTICULTURE PUBLISHING CO., Boston, for particulars.

THE PEONY

If You Want to
Know the PeonyIf You Want to
Grow the PeonyIf You Want to
Show the Peony

Buy the Book of the PEONY by Mrs. Edward Harding. The price is \$6.00 and you will get full money's worth when it is on your book-shelf. History, Description, Culture, fully covered and right up to date. 20 full page illustrations in colors. 22 in doubletone and a map.

Order from HORTICULTURE

PUBLICATIONS RECEIVED.

The University of Wisconsin, to Rich Pratt, Landscape Architect. This is Volume 2 of the Livable House series, edited by Vernon E. H. V. II and published by McGraw-Hill & Company, New York. It is dedicated to this new book on the old yet ever new art of garden making. The editor writes as follows:

"In considering the solution of the landscape architect to write this volume of the Livable House Series, Miss Dean was chosen because of her very wide familiarity with the problem of planting with regard to its ultimate effect and her great success in work around small houses, as well as in larger work. She has achieved especial success in the treatment of the house garden, both in informal and in formal ways, and the admirable manner in which she has used native shrubs in combination has tended to give her work a more direct and less exotic character than that of many of the other members of her profession. Added to this is the fact that her training has been under men who represented rather extreme differences of opinion in regard to landscape work, so that she has been led to perceive the valuable qualities of the several types of landscape architecture and is able to apply to any particular problem the solution which best fits it. As training of this kind leads an artist to a more general appreciation of the whole field of his or her work, a book written by such hands will deal in a more broadminded and generous way with all schools of design."

A perusal of the volume fully bears out the foregoing and the student in landscape art—a study from which one never is graduated—will find plenty of inspiration, well-founded principle and ideals presented in a way distinctly different from the usual. The grounds as a Whole, General Planting, The Flower Garden, Times and Seasons and Garden Architecture are the five divisions covered by the text. The book might almost be called an album as there are 107 full page pictures of elaborate garden views. The price is \$2.50 net.

We have perused with much interest and pleasure the Sixteenth Annual Report of the State Entomologist of Minnesota for 1915 and 1916, this being the tenth report of the present incumbent, F. F. Washburn. It is a 200-page publication, on heavy paper and profusely illustrated with splendid cuts. The contents are comprehensive and instructive and the people of Minnesota, and the nursery interests in particular, have reason to congratulate themselves on the quality of the material served to them by this department of the experiment station at St. Anthony Park.

King Greenhouses

KEEP SUMMER WITH YOU THE WHOLE YEAR ROUND

On account of their sturdy special construction which permits of great strength without the need of heavy shadow casting supports, these houses are so warm and sunny that they are filled with a riot of bloom and fruit when Jack Frost has stripped the garden of its beauty.

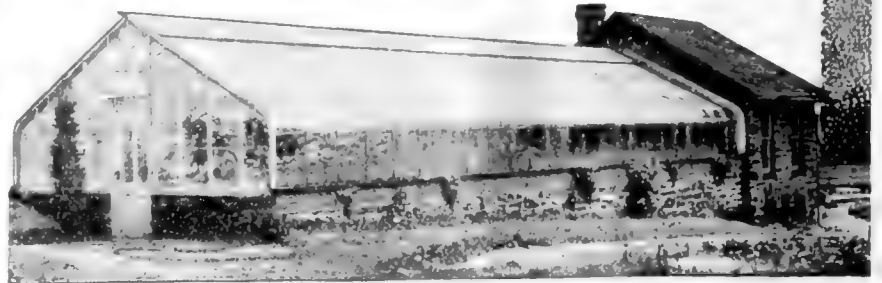
The ventilating and heating systems are the result of years of experience in building for professional growers. Things just have to grow in a King.

Ask us for any of the following: Catalogue showing Commercial Type Greenhouses, Catalogue showing Greenhouses for private estates, Catalogue showing Garden Frames and Sash for private estates.

KING CONSTRUCTION COMPANY, 28 King's Road, North Tonawanda, N. Y.

All the Sunlight. All Day Houses.

BRANCH OFFICES: New York, 1476 Broadway Boston, 113 State Street Scranton, 307 Irving Avenue
Philadelphia, Harrison Building, 15th and Market Streets



CYPRESS GREENHOUSE STOCK

PECKY CYPRESS STOCK

HOT BED SASH

Ask for Circular D and Prices

THE A. T. STEARNS LUMBER COMPANY

NEPONSET, BOSTON

GREENHOUSES BUILDING OR CON- TEMPLATED.

Mechanicsville, N. Y.—J. M. Collins, house 36 x 108.

Duluth, Minn.—J. J. LeBorius, Woodland avenue, addition.

Reading, Pa.—William Leith, Home-acre Farms, Lord & Burnham house.

Fort Collins, Col.—Gardner & Stewart, Howes & West Oak streets, range of houses.

STANDARD FLOWER POTS

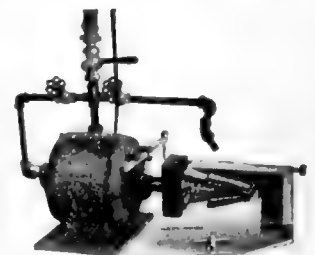
If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST
29th & M Sts., Washington, D. C.

CLEAN POTS

MAKE POSSIBLE

PERFECT PLANTS



The "Presto" Pot Washer

Electric, Water and Belt
Power

Write Today State Kind of Power

KEETCH & COMPANY

5th Floor, 1240 Huron Rd.

CLEVELAND, O.

Successors to Fowler, Mfg. & Supply Co.

DREER'S "Riverton Special" Plant Tubs



Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have 10 ribs.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714-716 Chestnut St., Philadelphia, Pa.

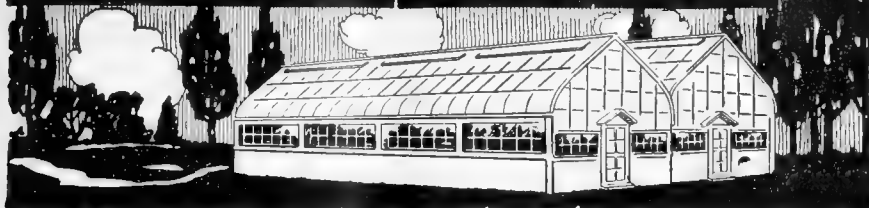
No.	Diam.	Eq.	Doz.	1000
10	20 in.	\$1.90	\$21.50	\$175.00
20	18 in.	1.60	18.50	150.00
30	16 in.	1.25	14.25	115.00
40	14 in.	1.00	11.25	90.00
50	12 in.	.75	8.25	65.00
60	10 in.	.55	6.00	45.00
70	8 in.	.40	4.50	35.00

JACOBS BUILT TO LAST GREENHOUSES

The strong, simple construction of Jacobs Greenhouses enables us to keep costs down to a minimum, without affecting durability or utility. In commercial greenhouse building, especially, where costs must be carefully considered, we honestly believe we can give you a "bigger dollar's worth" than the average. Backed by half a century's experience. Write for estimates—today!

S. JACOBS & SONS

1359-1385 Flushing Ave. Brooklyn, N. Y.



FOLEY MATERIALS

ARE THE BEST FOR

Iron Frame, Pipe Frame or Wood Frame GREENHOUSES

Estimate and Sketch Submitted Promptly

THE FOLEY GREENHOUSE MFG. CO.

3275 West 31st Street, CHICAGO, ILL.

MASTICA



For Greenhouse
Glazing
USE IT NOW

F. O. PIERCE CO.

12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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and Copyrights

Difficult and rejected cases specially solicited. No misleading inducements made to secure business. Over 30 years' active practice. Experienced, personal, conscientious service. Write for terms. Address,

SIGGERS & SIGGERS

PATENT LAWYERS

Box 9, National Union Building
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GET OUR CATALOGUE

On Ventilating Apparatus and Greenhouse Fittings

ADVANCE CO., RICHMOND, IND.

GLASS

AND
HOT-BED SASHES

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.

215-217 Havenmeyer St., Brooklyn, N. Y.

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2

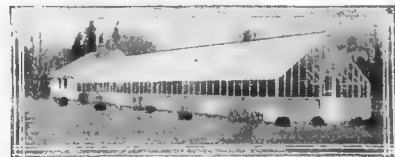
The Florists Hall Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars address **JOHN G. ESLER, Sec., Saddle River, N. J.**

Metropolitan Greenhouses

Revenue Producers

The entire Metropolitan organization is trained to produce—economically, speedily and above all satisfactorily.

Its aim is to deliver maximum



quality at the lowest consistent cost.

Its field forces are experienced in hastening the owner's revenue from his greenhouse, by speeding its construction.

Its executives make every effort to render a service that is at all times absolutely dependable.

PUT YOUR GREENHOUSE PROBLEMS UP TO US

We go anywhere in the U. S. to submit plans and prices.

Metropolitan Material Co.
PATENTED GREENHOUSES

1297-1325 Flushing Ave.,
Brooklyn, N. Y.



GULF CYPRESS GREENHOUSE MATERIALS

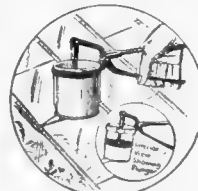
HOTBED SASH
GLASS

Pecky Cypress Bench Lumber

THE ONLY PERFECT

LIQUID PUTTY MACHINE

Will Last a Lifetime, \$1.25 each



"SEAL TIGHT LIQUID PUTTY" will not harden, crack or peel off.
\$1.35 per gallon in 10 gallon lots.
\$1.40 per single gallon.

Non-Kink Woven Hose

In any length (one piece) with couplings, 14c. per foot. Remnants 15 to 30 feet, coupled, 9c. per linear foot. Unequalled at the price.



Metropolitan Material Co.
PATENTED GREENHOUSES

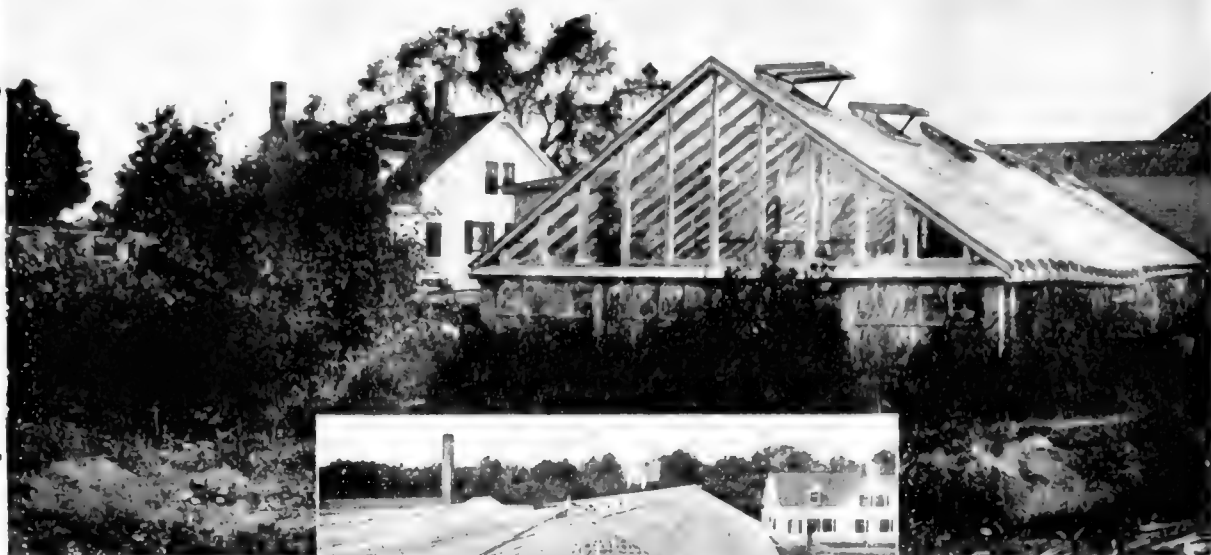
1297-1325 Flushing Ave., Brooklyn, N. Y.



Evans 20th Century Arm

Most up-to-date arm on the market. Proof that it is better than any other is that others tried to imitate it. Write for our 1916 catalog just out.

JOHN A. EVANS CO.
Richmond, Ind.



The "little old first house" which was heated by an oil lamp.



The seven bench iron framer where the prize winners are grown.

==Then and Now== What A Difference

A RARE treat it was indeed, that morning I stopped off at Biddeford, Maine, to see Mr. and Mrs. Strout and the greenhouse business they had so successfully established.

I say "they" because "they" did it.

Mr. Strout says the success is largely due to Mrs. Strout. Mrs. Strout says "our team-work did it"; and she ought to know.

Generally speaking, schoolmasters and preachers are not supposed to make very good business men. Here is a glaring exception, after 18 years of teaching.

Both loved flowers and were tempted to over-indulge themselves in buying. So concluded to grow some. Started with sweet peas and sent a boy down to Old Orchard Beach to sell them. Paid well. Built a little greenhouse, 8 x 10, and heated it with an oil lamp and covered it at night with straw mats. Made it pay.

Next built one 16 x 30. Looked so large, wondered how they would ever fill it. Scattered the potted plants around so it would look full. By Decoration Day had it crowded. Sold out everything that was salable. "It was that day," so Mr. Strout says, "that they made their real start."

Next they bought a Lord & Burnham Violet house; followed by another of ours owned by a local florist which they moved. Continued to build, until the climax was reached in one of our iron framers, 49 x 183 feet.

No better carnations are grown by anyone, so such experts as Mr. Fisher and Mr. Patten say.

Mr. Strout says the suggestions of these men were a great help to him in getting started.

Besides being a carnation expert, Mr. Strout is a fisherman of no mean luck, and a hunter of acknowledged prowess.

Lord & Burnham Co.

Builders of Greenhouses and Conservatories
SALES OFFICES:

NEW YORK
42nd Street Bldg.

BOSTON
Tremont Bldg.

PHILADELPHIA
Widener Bldg.

CHICAGO
Continental & Commercial Bank Bldg.

ROCHESTER
Granite Bldg.

CLEVELAND
Swetland Bldg.

DETROIT, Book Bldg.

TORONTO, Royal Bank Bldg.

MONTREAL, Transportation Bldg.

FACTORIES: Irvington, N. Y.

Geneva, N. Y.

Des Plaines, Ill.

St. Catharines, Canada.

Vol. XXVI
No. 2
JULY 14
1917

HORTICULTURE



New Lilac Adelaide Dunbar
American Seedling raised by John Dunbar

Are you fooling yourself about your trees?

ARE you making the dangerous mistake about tree surgery that was made by the owner of the tree shown herewith? (Small photograph No. 1 below.) Read the following facts—they may prove a revelation.

The owner of the tree shown here thought that Tree Surgery was merely a matter of putting holes in the trunk with a "boring" tool. He was mistaken. Any owner following could do so.

The result of this work was costly and disappointing. Davey Tree Surgeons found that this tree, although in which the owner thought had been saved, was in a really critical condition, disease and decay continuing unchecked behind the fillings. The entire work had to be torn out and done again, done right. Photographs Nos. 1, 2, 3 and 4, a typical tree—tell the story. (See descriptive matter under photographs.)

Tree Surgery a Specialized Science

Tree owners sometimes confuse Tree Surgery with Forestry. These two professions are as widely separated as dentistry and medicine.

The Forester is trained to deal with trees in the mass, culturing them primarily for lumber supply. As Bernard E. Fernow, Dean of Faculty of Forestry, University of Toronto, puts it: "The forester grows trees not to be preserved, but to be harvested."

The Tree Surgeon, on the contrary, is interested in the individual tree; to prolong its life is his sole aim. He knows little or nothing about forestry and is entirely unequipped in training and experience to cope with its problems. Forestry is a worthy profession doing a great economic work. But to entrust the saving of your priceless specimen trees to a Forester is certain to result in disaster.

For real Tree Surgery, there is only one safe place to go—to Davey Tree Surgeons.

Davey Tree Surgery Is Safe

Safe because it is time proved; its record of successful performance for thousands of estate owners spanning a generation.

Safe—because no Davey Tree Surgeon is allowed any responsibility until he has conclusively demonstrated his fitness. He must have served his full course of thorough, practical training and scientific study in the Davey Institute of Tree Surgery—a school, the only one of its kind in the world, which we conduct for the specific purpose of drilling our men according to Davey methods and Davey ideals.

Safe—because Davey Tree Surgery has been endorsed as best by the United States Government, after exhaustive official investigation.

Safe because Davey Tree Surgeons are picked men, thoroughly trained, conscientious, intelligent, courteous, in love with their work.

Safe because the Davey Company is a successful and responsible house, amply able to make good in every instance and not needing, for the sake of temporary existence, to sacrifice in the slightest degree its high standards.

Write today for Free Examination of your Trees

—and booklet, "When Your Trees Need the Tree Surgeon." What is the real condition of your trees? Are insidious diseases and hidden decay slowly undermining their strength? Will the next severe storm claim one or more as its victims? Only the experienced Tree Surgeon can tell you fully and definitely. Without cost or obligation to you, a Davey Tree Surgeon will visit your place, and render an honest verdict regarding their condition and needs. Write today.

Four typical letters from hundreds by satisfied Davey users

Are: Edith H. Bull, Pres. A. H. Bull Steamship Co., New York City:

"I am very much pleased and satisfied with your work."

A. P. Lovejoy, Janesville, Wis.:

"Your work is efficient and scrupulous. Your men capable and business like."

Mrs. Susan Wheeler, Bryn Mawr, Pa.:

"The work you have done for me has been entirely satisfactory. I fully believe that it has added to the life of my trees for which I am very thankful."

F. E. Atteaux, F. E. Atteaux & Co., Inc., Boston, Mass.:

"I am pleased to say that your work is perfectly satisfactory in every way."

THE DAVEY TREE EXPERT CO., Inc.

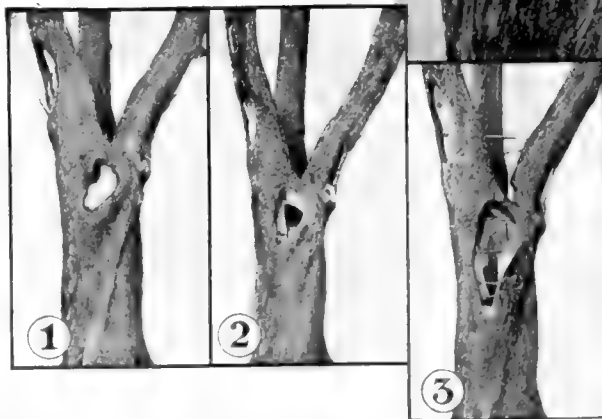
1307 Elm Street, Kent, Ohio

(Operating the Davey Institute of Tree Surgery, Kent, Ohio)

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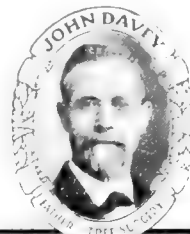
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

Care of Palms

We cannot expect to make a perfect specimen out of an old stump, but even plants in poor condition can be helped to make up considerably so as to be fit again by next winter for decorative use. Some may need repotting, others just a mulch of good loam or soil. Bad leaves are to be removed, etc. It might also be well to make such repairs as are necessary in the palm house. Nothing ruins a palm more quickly than using it for decorations, and now that the season is practically over we couldn't do anything better than to go over every palm on the place and give it attention.

Achimenes

At this season achimenes are invaluable summer flowering plants not so much known as they deserve. Any one who has call for blooming plants in the hot months will find them extremely useful. Keep the house so they will not get any direct sunshine or the foliage will soon be disfigured. Also avoid syringing them overhead except it be with an occasional nicotine solution to keep thrips in check. Never allow the plants to become dry or you will ruin them for the season. As the pots get filled with roots feed them twice a week with weak cow manure water. Whether grown in pots or pans they should have a light neat stake to each of the stems before the growths become twisted.

Carnations

Some growers are obliged to use the same piece of ground another year, a practice not to be recommended. Perhaps you are growing some other crops on the location in question, and if so contrive to get in the seed of a clover crop at last cultivation. We prefer crimson clover, as it grows fast in early spring, decays quickly when plowed under and gives us nitrogen at low cost. From the middle of July to the first part of August has given us the best results, the point being to sow at such times as will allow sufficient development for the clover to withstand winter but not to bloom in the fall. Plow as soon as the land is clear, apply a generous coat of air-slaked or pulverized lime, allowing the surface to remain rough and then in a week or ten days apply manure, cross plow and treat as you would land in sod. For many reasons this is an excellent time for this work. The carnation is not overfond of fresh manure, nor is a young plant capable of doing its best on recently turned sod.

Next Week:—Carnations in Field; Cyclamen; Hardy Perennials; Stocks; Syringing and Spraying; Reminders.

Pot Chrysanthemums

A chrysanthemum loves moisture while growing, but this has always to be combined with perfect drainage in the pots. Liberal pots, sufficient drainage, a good soil, generous feed with liquid cow manure in weak doses and frequently applied is the proper treatment. As long as you keep a chrysanthemum in a healthy growing condition the stems will retain their leaves, but when once allowed to become stunted and the wood begins to harden, the leaves will drop off as a result. The older and larger the plants are the harder the wood will be at the base and the less leaves. So keep shifting until you have them in their flowering size, and make the last shift good and rich. Even if the mixture is half manure it will be all the better.

Summer Treatment of Potted Roses

There is no doubt that roses grown in pots all summer are much easier to manage and give greater satisfaction when forced the following winter than roses grown in an open field and potted in November. I have found that potted roses intended for next winter's forcing or for the plant trade in the spring do better if kept constantly in the greenhouse during the hottest part of summer than they would anywhere out of doors. When growing fast they need a deal of water and a sprinkling once or twice a day. The essence of advancement in any trade lies in the production of a better article from year to year, not in the searching for or finding of easy methods alone, especially not when this tends to decrease the commercial value of the output. These roses in pots make a steady and rapid growth until about the middle of August. By that time they have undergone the last of the many shiftings from pot to pot that are necessary to keep them in good shape and at a rapid headway.

Reminders

Mark any seedling phloxes or pentstemons that show good points, with a view to propagation.

Treat the peonies well after flowering to insure the production of good crowns for next season.

Feed the sweet peas and keep the flowers constantly picked off as seed forming prevents flowering.

Prick off seedling campanulas in a frame or sheltered position where they can be well looked after.

Pinch the field carnations as they need it, not allowing the growth to be wasted in forming useless flower shoots.

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Work to be done

The Albany Florists' Club has set an excellent example worthy of imitation by all similar organizations throughout the country in the wise step it has taken looking to action for the protection of the florist business against the hostile aggression of the hysterical extremists who have been busily declaiming against or forbidding the use of flowers as graduation gifts and for other rightful purposes. These people should not be

allowed to have their say unchallenged but should be reminded that the florist has to bear his proportionate share of the community's burdens and made to understand that he looks upon their acts as unjust, and that he will be backed up by representative and influential organizations wherever and whenever his business is wantonly assailed. The clubs and associations can render no better service at the present time to the industries which they are created to foster than to inaugurate a country-wide campaign on lines such as the Albany Florists' Club has taken up. It is a very serious matter.

Getting on its feet

The American Sweet Pea Society has much reason to feel proud of the showing made in Boston last week. It is true that the exhibition suffered greatly in general effect by reason of the entire absence of trained tub specimen plants and from the lack of artistic flower staging arrangements such as some exhibitors have put up in the past, to offset the monotony of the flat tables and rows of uniform vases, but for quality of flowers and up-to-date variety no show previously given in this country could compare with this one. In many of the exhibits four flowers to the stem was the rule and three flowers the exception. There was not a poor flower to be seen anywhere in the hall and this statement covers the amateur as well as the professional entries. Any society capable of bringing out such a show has fully established its right to "a place in the sun." The announcement that the organization is entirely out of debt came as good news and the decision to retain for another year the officers who have done so much to bring about this condition of prosperity was just the right thing to do.

To enlarge the Botanical Garden

A proposition is now before Congress to add to the National Botanical Garden in Washington the adjoining enclosures known as East and West Seaton Park and having an area of about twenty-two acres. The bill has already passed the Senate and it is to be hoped that the House of Representatives will also take favorable action. The Garden is badly handicapped by lack of room and if this additional area of which no use is now made can be acquired it will open the way to make the Botanical Garden what it should be as an institution of much educational value and interest to the public. The next move would then be to erect a modern horticultural building with adequate conservatories, museum, lecture halls, etc., where botanical research and demonstration could be carried on. It has been suggested that such a structure if undertaken might very appropriately be designated as a memorial to the late William R. Smith and the money that has already been collected among the florists and others as the nucleus of a Wm. R. Smith memorial fund could then be devoted to properly caring for and marking the last resting place of that grand old man, which, we understand, is in a state of neglect. Our S. A. F. representative in Washington is alive to the opportunity and is doing all he can. Our readers can help materially by requesting their respective congressmen to favor the bill for the proposed extension of the Botanical Garden when it comes up for action.

Philippe de Vilmorin

The death on Saturday, June 30, of Philippe de Vilmorin, the head of the great seed house of Vilmorin-Andrieux et Cie, has been cabled from Europe, but information of the manner and place of his death has not yet reached this city.

Philippe de Vilmorin was born at Verrieres-le-Buisson, near Paris, in 1872 and on the death of his father, Henry in 1899, became head of the house. The first of the Vilmorins, also Philippe, who is known to have been interested in plants, was born in 1746 and went as a boy from Lorraine to Paris to study botany and became acquainted with Pierre d'Andrieux, a seedsman and botanist to Louis XV, whose shop was on the Quai de la Mégisserie on the site of the building still occupied by Vilmorin-Andrieux et Cie. This Philippe de Vilmorin afterwards married d'Andrieux's daughter and became a partner in his house, and on the death of d'Andrieux in 1779 he became the owner of the business and the next year changed the name of the house to Vilmorin-Andrieux. The first seed catalogue which appeared in France was published by this house in 1778 and contained one hundred and forty-eight pages. The publication of this catalogue, which furnished much useful information about plants and their cultivation, established in France the seed business on a scientific basis.

The fact is interesting that the relations of the Vilmorin family with America date from the time of this first Philippe who, being a friend of the French botanist Michaux sent by the French Government late in the eighteenth century to explore the forests of eastern North America, was able to cultivate successfully in France many American trees. The first Philippe de Vilmorin died in 1804 and was succeeded by his oldest son, Pierre Philippe-André, who was born in 1776 and lived until 1862. It was he who created the Arboretum at Les Barres, now one of the French Forest Schools, where he made interesting experiments to prove the value of different geographical forms of important forest trees. André de Vilmorin and Asa Gray were correspondents and intimate friends, and from this friendship my intimacy with the younger members of the Vilmorin family owes its origin. It is interesting that at Vilmorin's house Gray once met the younger Michaux, then a very old man, who is known to all students of American trees as the author of a classical work on the trees of eastern North America. In 1843 André de Vilmorin turned over his business to his oldest son, Pierre Louis, usually known as Louis, who carried it on until 1860. He was particularly interested in vegetable physiology and in chemistry, and by carefully conducted experiments greatly increased by the improvement of their seeds the yield of wheat and sugar beets. His *Catalogue synonymique des Fromonts* published in 1850 is considered a classic. He died before his father, and when his oldest son Henry was only

seventeen years old. The business, however, was managed by Henry's mother until 1866 when he became head of the house. Henry carried on his father's experiments for the improvement of seeds and was active in expanding and improving the business of the house and in recording the results of his experiments and observations. Among his best known publications are *Les Meilleurs Bles*, and a *Catalogue méthodique et synonymique des principales variétés de Pommes de terre*, containing descriptions of more than two hundred varieties. Two other books of his have had a great influence in increasing the knowledge and love of horticulture. These are *Les Fleurs de Pleine Terre* and *Les Plantes Potagères*.

Henry de Vilmorin was several times in the United States and had many friends in this country. He died suddenly in 1899 and was succeeded by his oldest son Philippe, great-great-grandson of the founder of the house which in the hands of his family has done more than any other for the improvement of agriculture and horticulture.

This Philippe de Vilmorin, like all the members of his family, was a great traveler and a remarkable linguist. He came several times to this country, the first time as a boy with his father. He has more than once been around the world and was once in the Soudan, these journeys having been undertaken in the interest of Vilmorin-Andrieux. He is the author of several books published before the war, the most important perhaps being his catalogue of plants cultivated at Verrieres, the family home near Paris where there is one of the most interesting collections of trees in Europe gathered by four generations of Vilmorins, and large collections of flowering shrubs and alpine plants in which Philippe de Vilmorin was particularly interested. During the war he has lived chiefly in London where his knowledge of the principal European languages, his charming personality and his many friends have made his services valuable to the English Government.

C. S. Sargent

Arnold Arboretum.

An American Seedling Lilac

The new lilac illustrated in this number of HORTICULTURE is one of several notable seedlings raised by John Dunbar, assistant superintendent of parks at Rochester, N. Y., and named by him after his wife. "Adelaide Dunbar" is a seedling from Aline Mocqueery, a single bright purple red. It is a full semi-double, with flowers $\frac{3}{4}$ to $\frac{7}{8}$ of an inch across. The unfolding blossoms are maroon or dark crimson, changing to violet red when fully open. They are borne on large compound clusters. The young shoots are dark colored and the unfolding leaves have a dark tinge. Adelaide Dunbar is said to be the darkest colored red lilac that has yet been introduced to cultivation.

Mr. Dunbar has named five other seedling lilacs as follows: President Lincoln, A. B. Lamberton, William C. Barry, General Grant, General Sherman. He regards Adelaide Dunbar as the most distinctive of them all.

AMERICAN SWEET PEA SOCIETY

The annual meeting of the American Sweet Pea Society convened in Horticultural Hall, Boston, on Saturday, July 7. Twenty-five members were present and President Kerr occupied the chair. After the usual routine proceedings, address by the president and reports by the secretary and treasurer, Professor Beal reported for the trials at Cornell, stating that on account of the failure of state funds the past year had been unproductive but that the necessary financial support for the present season had been forthcoming and a better report would be presented next year. He said that the Australian race of sweet peas were under test last winter but had been destroyed by gas and so no definite conclusions could now be given on the varieties under test.

William Sim brought up the matter of the unreliability of the seed of new and costly novelties, stating that in his experience many strains had been found wickedly mixed with poor varieties, some stocks of Christmas Pink, even, coming not more than 25 per cent. pure; W. N. Craig endorsed Mr. Sim's complaint and William Gray said that he felt well pleased when he got 25 per cent. of purity in his purchases.

It was voted to ratify the executive committee's recommendation that the fiscal year begin on January 1, and a vote of thanks was given the Massachusetts Horticultural Society for many courtesies extended. A committee was authorized to get out a workable set of by-laws. All bills due were ordered paid and the Society was declared free of all debts and embarrassing incumbrances.

New York City, through J. Harrison Dick and others extended an invitation to meet there next year and after some lively discussion it was finally decided as the sense of the meeting to convene in New York in 1918. Mr. Dick suggested the establishment of a medal or other memorial in commemoration of the services to the Sweet Pea by the late William T. Hutchins and after discussion this was referred to the executive committee for consideration. On motion of Mr. Sperling all the present officers were renominated and elected to serve for another year. James Wheeler was elected an honorary member of the Society by an unanimous vote.

Address by President George W. Kerr.

As president of the American Sweet Pea Society, I welcome the members present to this, our Ninth Annual meeting, and the third meeting held in Boston during the past five years. Those members who, like myself, have attended all our exhibitions must have observed the great strides made in the quality of the exhibits, the improved methods of staging the flowers, and year by year the many new colors and varieties which are now exhibited.

Improved methods of culture are of course responsible for the fine flowers

we now see. The day of simply sowing our Sweet Peas in the spring where they are intended to flower and cutting therefrom blooms to win cups or premier honors in keen competition, is indeed past. But, might I sound a note of warning against growing our plants so strongly as to induce coarseness of flower. Although I admire large flowers, I abhor any suspicion of coarseness, as it immediately detracts from the dainty simplicity of the Sweet Peas.

I regret that owing to the backward season I am unable to make an exhibit today. The flowers which were being specially grown for my firm in the neighborhood of Boston are only now showing a few scattered flowers, and I am sorry that I am not the only exhibitor whose plants are yet so backward. However, we unfortunately must hope for better luck at our next convention.

The Society is greatly indebted to two of its members who by their untiring efforts assisted the treasury so materially last fall. I refer to Messrs. Totty and Stalford. The thanks of the society must also be extended to Mr. Morse of San Francisco, who in the fall of 1915 was instrumental in securing for us several much needed subscriptions.

Since our last annual meeting we have lost the active services of the moving spirit of the American Sweet Pea Society, in fact, one who was instrumental in organizing the society, namely Mr. Harry A. Bunyard, who served the society in the capacity of secretary since its inception and to whom we owe our heartiest thanks.

Your committee were, however, fortunate in securing the services of another able and capable secretary, one who knows Sweet Peas from A to Z, and is also able to grow them to perfection. We have not yet forgotten Mr. Gray's Sweet Peas exhibited at the last Sweet Pea Show held in New York in 1914.

That the Sweet Pea still retains its pride of place as first favorite

among all annuals, can not be gainsaid. Had I had any doubt of its pre-eminence, such doubts would have been shattered during my recent visit to the seed growing district of California, where I had the great pleasure of looking over from one to two thousand acres of this charming flower. It naturally made one wonder where all the seed went to.

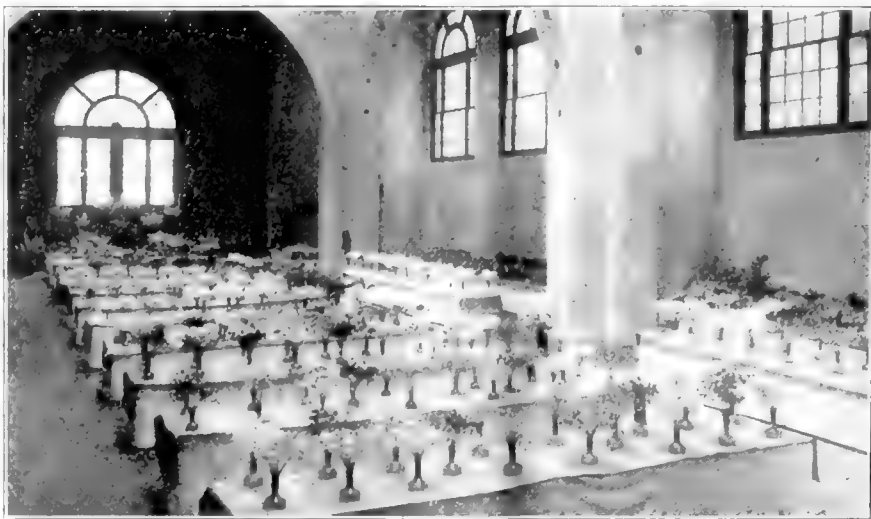
The new type of Sweet Peas, namely the Early flowering Spencers is destined to still further enhance its popularity. In addition to its value for winter flowering under glass, this type will flourish in very warm climates where the summer flowering varieties are almost valueless. For instance, from sowings made in Florida in late September, the new Early flowering Spencers will begin to bloom by Christmas and continue flowering until May. They are also valuable for extending our blooming season in the North. I understand that they are now being grown to the exclusion of all other types in Australia.

In closing might I urge the members to assist our Society by inducing their flower loving friends to become members. Every subscription helps, and now that we have our heads well above water, let us with united effort make what is at present a comparatively small society, a large and flourishing one.

Our thanks must be extended to Mr. Gray our secretary for his unceasing work on our behalf during the past winter and spring. Also Mr. Dick for his careful compilation of our first bulletin. Messrs. Gray and Dick are aiming at something more pretentious in our next bulletin, and we must all do our best to help them.

Secretary Gray's Report.

Having served as your secretary for a period of less than six months, it can hardly be expected that I will tire you with a very lengthy report of what has been accomplished. On Jan. 18, at an executive meeting called by



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President Kerr to act on the resignation of your former secretary, Mr. Bunyard, I was appointed to fill out his unexpired term, and at that meeting it was considered advisable that a reorganization of the membership be made. A plan, approved by the executive committee, was decided on to change the ending of the business year from July 1 to Jan. 1, and it was decided that all members who seemingly had lost interest be allowed to renew their interest on the payment of the present year's dues to Jan. 1, 1918. Heretofore much of the settlement of business contracted for during the period from Jan. 1 to July 1 lapped over into the next year, and no clear idea could be given at the convention of just how the society's affairs stood. Under the present arrangements, which I hope will be ratified by this convention, a complete report of the society's affairs will be obtained in the Bulletin to be issued early in January. We are looking forward to the time when this Bulletin may become of much more importance and take the form of an annual similar to the publication of the National Sweet Pea Society of Great Britain.

Perhaps I am a little too enthusiastic on Sweet Pea matters, but the response of the members to the executive committee's plan has not been what was expected, and it is doubtful if the society can finance the publication of an annual next year. We can, however, improve on our Bulletin which, although a modest publication, has

been received with a good word from many.

Since Jan. 18, 13 new members have been added to the roll and the Newport (R. I.) Garden Club has become affiliated with our society.

We are much indebted to the firms who so generously helped the publication of our Bulletin Schedule by taking advertising space therein, and also to the firms and societies that contributed to the prize list. The present condition of affairs in the world, caused by the war, is no doubt in great part the reason why our exhibition is not as large as usual, but what may be lacking in quantity is made up in the quality of the exhibits as a whole. It is earnestly hoped that the interest in the society will continue to increase, and although the present times are against much progress being made I firmly believe that, when the world turns again to peaceful pursuits, a great future is in store for the American Sweet Pea Society.

THE EXHIBITION.

List of Awards.

Collection of twenty-five varieties: Bodington cup and 1st, A. N. Cooley; Pittsfield, Mass., gard. E. W. Edwards; 2d, Mrs. Homer Gage, Shrewsbury, Mass., gard. Allan J. Jenkins.

Lord & Burnham Company prize for display arranged for effect: 1st, Col. Charles Pfaff, Framingham, Mass., gard. Geo. Melvin.

Dreer prize for vase of Edward Cowdy: 1st, Mrs. William B. Leeds, Newport, R. I., gard. Wm. Gray.

Dreer prize for vase of New Miriam Beaver: 1st, Mrs. French Vanderbilt, Newport, R. I., gard. Daniel Hay.

Dreer prize for vase of R. F. Felton: 1st, Giraud Foster, Lenox, Mass., gard. Ed-

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win Jenkins; 2d, Mrs. Robert Winthrop, Lenox, Mass.; gard. S. W. Carlquist.

Thorburn cup for collection of twelve varieties: 1st, A. N. Cooley.

Collection of twelve varieties (private gardeners and amateurs), W. Atlee Burpee & Co. cup: 1st, Mrs. Robert Winthrop; 2d, A. N. Cooley; 3d, Giraud Foster.

Stumpp & Walter prizes for six vases, six varieties: 1st, Mrs. French Vanderbilt; 2d, Mrs. Robert Winthrop.

Malvern Greenhouses prize for vase of Hercules: 1st, Mrs. Robert G. Winthrop; 2d, William G. Taylor.

Peter Henderson & Co. prize for vase mixed Spencers, twelve varieties: 1st, Mrs. William B. Leeds.

Sutton & Sons' cup for display arranged for effect on round table: 1st, Mrs. William B. Leeds.

Henry F. Michell Company's silver medal for six vases Spencers, six varieties: 1st, Mrs. French Vanderbilt.

Henry F. Michell Company's bronze medal for vase of twenty sprays of Hercules: 1st, Mrs. French Vanderbilt.

Mt. Desert Nurseries' prize for eight vases, eight varieties: 1st, Mrs. Robert Winthrop.

Jerome B. Rice Company's prizes for 1917 novelty: 1st, Mrs. Robert Winthrop; 2d, Mrs. French Vanderbilt.

Fottler, Flske, Rawson's prizes for luncheon table decoration: 1st, Mrs. Homer Gage.

Bar Harbor Horticultural Society's prizes for display arranged for effect: 1st, Mrs. William G. Weld, Newport, R. I., gard. James Watt; 2d, Mrs. Homer Gage.

Newport Horticultural Society's prizes for nine vases, nine varieties: 1st, Mrs. Robert Winthrop; 2d, A. N. Cooley; 3d, Giraud Foster.

Lenox Horticultural Society's prizes, six vases, six varieties: 1st, A. N. Cooley; 2d, Mrs. Robert Winthrop.

Newport Garden Association prizes for display arranged for effect: 1st, Mrs. Wm. G. Weld; 2d, Mrs. Homer Gage.

National Association of Gardeners' medal for most meritorious exhibit in Sections A and B, won by E. W. Edwards.

Worcester County Amateur Sweepstakes' silver medal awarded to William G. Taylor, Newport, R. I.

Secretary Gray's prize for amateur whose exhibit showed highest culture, won by William G. Taylor.

George W. Kerr's prize for finest vase shown in Mass. Horticultural Society classes, and the Garden Magazine Sweepstakes Medal were awarded to E. W. Edwards.

The amateur classes were well filled, the principal winner being William G. Taylor of Newport, whose flowers would be a credit to any professional grower. Other winners in the amateur classes were Mrs. Percy G. Forbes, Thomas Burrows of Greystone, R. I.; Wills F. Blossom and Mrs. Margaret J. Miller of Nahant, Mass.

The judges were W. N. Craig, Wm. Nicholson, David F. Roy, J. H. Dick, Victor May, Wm. MacGillivray, Wm. Rust, James Methven, William Sim, Donald MacKenzie and John L. Smith.

The list of awards by the Massachusetts Horticultural Society follows:

Sweet Peas.—Twenty-five sprays, any White variety: 1st, Mrs. Robert Winthrop, gard. I. W. Carlquist, with Constance Hinton; 2d, A. N. Cooley, gard. Ed. W. Edwards, with Edna May Improved. Crimson or Scarlet: 1st, Mrs. Robert C. Winthrop, with King Edward Spencer; 2d, A. N. Cooley, with Charity. Yellow: 1st, A. N. Cooley, with Mrs. H. J. Dameron; 2d, Mrs. Robert Winthrop, with Mrs. H. J. Dameron. Blue: 1st, Mrs. Robert Winthrop, with Blue Monarch; 2d, A. N. Cooley, with Blue Monarch. Blush: 1st, A. N. Cooley, with Lady Evelyn Eyre; 2d, Mrs. Robert Winthrop, with Lady Evelyn Eyre. Deep Pink: 1st, A. N. Cooley, with Hercules; 2d, Edwin Jenkins, with Hercules. Cream Pink: 1st, A. N. Cooley, with Jean Ireland; 2d, Iristhorpe Farm, gard. Allen J. Jenkins, with Mrs. Breadmore. Orange: 1st, Mrs. Robert Winthrop, with May Unwin; 2d, A. N. Cooley, with May Unwin. Lavender: 1st, Mrs. Robert Winthrop, with Orchid Spencer; 2d, Edwin Jenkins, with King Mauve. Purple: 1st, A. N. Cooley, with Royal Purple; 2d, Mrs. French Vanderbilt, with Royal Purple. Maroon: 1st, A. N. Cooley, with King Manuel; 2d, Iristhorpe Farm, with King Manuel. Striped or Flaked Red or Rose: 1st, A. N. Cooley, with Jessie Cuthbertson. Iris Kaempferi, collection: 1st, Iristhorpe Farm.

For Amateurs Only.—Sweet Peas.—White: 1st, Wm. G. Taylor, with Constance Hinton; 2d, Thomas Brook, with Constance Hinton. Pink: 1st, Wm. G. Taylor, with Hercules; 2d, Mrs. P. G. Forbes, with Elfrida Pearson. Dark Pink: 1st, Mrs. P. G. Forbes, with Margaret Atlee; 2d, Thomas Brook, with Hercules. Lavender: 1st, Mrs. P. G. Forbes, with Florence Nightingale; 2d, Margaret J. Miller, with Florence Nightingale. Salmon: 1st, Wm. G. Taylor, with Barbara; 2d, Mrs. P. G. Forbes, with Robert Sydenham. Crimson: 1st, Thomas Burrows, with Sunproof Crimson; 2d, Margaret J. Miller, with King Edward. Primrose: 1st,

Thomas Burrows; 2d, Mrs. P. G. Forbes, with Dobbie's Cream. Scarlet: 1st, Mrs. P. G. Forbes, with Scarlet Emperor; 2d, Margaret J. Miller, with Fiery Cross. Any other color: 1st, Thomas Burrows, with Royal Purple; 2d, Wm. G. Taylor, with Cherub.

Collection of wild flowers, named, one bottle of each kind: 1st, Albert Davidson; 2d, Mrs. F. C. Upham.

Gratuities: Iristhorpe Farm, table of Sweet Peas; Kenneth R. Craig, Sweet Peas; Mrs. C. G. Weld, Astilbe New Pink; Miss Cornelia Warren, Oncidiums and Hydrangea Otaksa; A. L. Stephen, Hybrid Perpetual Roses.

Silver Medal: F. W. Fletcher, collection of seedling Delphiniums.

First Class Certificates of Merit: F. W. Fletcher, Delphiniums Belladonna Hybrid and Lasell Blue.

Vote of Thanks: Victor Heurlin, display of Iris Xiphium; Blue Hill Nurseries, Eremurus; Mrs. Lester Leland, gard. E. Wetterslow, Spanish Iris.

In our judgment the most sensational among the new sorts shown in the novelty classes were the following: Surprise, salmon; Edw. Cowdy, pink; Miriam Beaver, scarlet; Balton's Victory, lavender; Hope, vermilion pink; Hercules, cerise.

The Banquet.

Visitors, working committees and exhibitors were entertained at an enjoyable little banquet in the Copley Square Hotel on Saturday evening. President Methven of the Gardeners' and Florists' Club of Boston presided. President Kerr of the American Sweet Pea Society was the first speaker. He expressed his pleasure in visiting Boston and meeting old friends. William Gray told of the eccentricities of the weather in Newport and the destructive effects on sweet pea growing, of the long continued fogs that sometimes envelop that island and ruin the flower buds, especially when the plants are making rapid growth. James Wheeler, manager of the show, expressed his appreciation of the honorary membership which had been bestowed upon him and told of his love for the work devolving upon him in exhibition management which he declared to be one of the greatest pleasures in life. Secretary Rich, of the Massachusetts Horticultural Society, spoke for that organization, which he said was always glad and ready to welcome and extend all possible courtesy to visiting bodies. Other speakers were J. Harrison Dick, editor Florists' Exchange, Prof. A. C. Beal of Ithaca, William Sim, W. N. Craig and Wm. J. Stewart. Prof. Beal strongly emphasized the desirability of getting amateur interest and support for organizations such as the Sweet Pea Society and urged co-operation to the fullest extent with the Garden Clubs and other amateur associations. The visitors from Lenox had to leave before the speech-making began.

A NATURAL WORM TRAP.

A gardener in Wakefield has two rows of peas that are now blossoming and podding. He was greatly troubled with the pests at first, chiefly little green worms which ate voraciously. He found after a few days that the peas themselves had begun to defend themselves from the worms, for in the middle of several leaves he found the worms crushed to death, and around the leaves were wrapped tightly tendrils of the growing pea vines.—Boston Traveler.



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Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c.; Pint, 40c.; Quart, 75c.;

1/2 Gallon, \$1.25; Gallon, \$2; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50.

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IMP. SOAP SPRAY

Quarts, 55c. Gallons, \$1.65
Fives, \$6.50

Try with 24 parts water. Often effective weaker.

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BOSTON, MASS.



NIKOTEEN
For Spraying
APHIS PUNK
For Fumigating
Ask Your Dealer For It
NICOTINE MFG. CO.
ST. LOUIS

NOTES ON THE BOSTON ROSE AND PEONY SHOW, JUNE 30 AND JULY 1.

The Rose and Peony Show on June 30 and July 1, while not particularly remarkable was, nevertheless, of much interest to the public, especially in the way of peonies, for many of the late varieties that are seldom seen at earlier shows, were available.

As an exhibition of roses little can be said, although some good flowers were shown among the hybrid teas. When we look back to the magnificent displays of roses that were put up some years ago we can not help thinking that something must be the matter and that the public is being deprived of one of the greatest treats of the year, both in beauty and instructiveness.

Much interest centered about the collection of seedling peonies exhibited by E. J. Shaylor, of Auburndale, Mass., six of which received first class certificates and three honorable mention. All of these are quite out of the ordinary and we might say, are setting the pace for seedling peonies in the future.

Many fine blooms were shown in the various classes, the most noticeable being Milton Hill, Mrs. Charles S. Minot, Walter Faxon, La Lorraine, Alsace-Lorraine, M. Martin Cahuzac, Sarah Bernhardt, Marie, Lady Alexandra Duff, Rosa Bonheur, Kelway's Glorious, Baroness Schroeder, Mme. Auguste Dessert, Mme. Geisler, Mme. Emile Galle, Marie Lemoine, E. G. Hill, Avalanche and L'Indispensable.

The Thurlow display was a splendid showing of varieties in large vases, all named, occupying the entire north side of the hall. The Massachusetts Horticultural Society's Silver Medal was awarded for this as well as the Silver Medal of the American Peony Society. The display from the Wellesley Nursery, by Geo. N. Smith was also awarded a silver medal.

The appreciation by the public of these exhibitors of garden flowers was shown by the attendance at this show, and one is led to wish that "the powers that be," in the management of the Massachusetts Horticultural Society could be induced to attend these summer exhibitions so that a new light might dawn upon them whereby they might be made to realize their usefulness and educational value, and so that the Society might be saved from the disgrace of a reception of the almost scandalous schedule for the present season.

When we consider that people often travel long distances to attend these shows, for the express purpose of seeing and learning what is best among the host of things exhibited which are suitable for outside planting, the above remarks can not be considered extravagant. Visitors from both Ohio and Pennsylvania attended this show, for no other reason than to see and study

LATE CABBAGE PLANTS
CELERY AND CULILLOWER PLANTS
CABBAGE, LATE: Danish Ball Head, Flat Dutch, Savoy, Copenhagen Market.
CELERY PLANTS: Golden Self Blanching, White Plume, Winter Queen, Giant Pascal, Golden Heart.
Also Cauliflower, Pepper, Sweet Potato Plants, Late Tomato Plants, Onion Plants, Ship promptly.

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Plant Producer.

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Giant Trimardeau 30 1.25
Mixed 30 1.25

GIANT SORTS In Separate Colors.

	Trade Pkt.	Oz.
Azure Blue	40	\$2.25
Black Blue	40	2.25
Emperor William, blue	40	2.25
Hortensia Red	40	2.50
King of the Blacks	40	2.25
Lord Beaconsfield, purple violet	40	2.25
Peacock, blue, claret and white	40	3.00
Snow Queen, pure white	40	2.25
Striped and Mottled	40	2.25
White with Eye	40	2.25
Pure Yellow	40	2.25
Yellow with Eye	40	2.25

ALSO ALL OTHER SEASONABLE SEEDS, BULBS AND SUPPLIES. SEND FOR WHOLESALE CATALOG.

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"Seeds with a Lineage" All Varieties
Thoroughly tested at our trial grounds, Raynes Park, London, England. Send for Catalogue
CARTERS TESTED SEEDS, Inc., 106 Chamber of Commerce Bldg., Boston, Mass.

the peony. It is not the artistic arrangements or spectacular exhibits that attract them, but the simple intrinsic value of the individual flower.

A. H. FEWKES.

Newton Highlands, Mass.

PITTSBURGH.

Rudolph Zilke, who has been seriously ill for the past six weeks with an attack of pneumonia, has begun to convalesce.

Frank Smoller, a designer for Walter A. Faulk, expects to leave tomorrow for service with the First Field Artillery, N. G. P.

Edward Earl Ludwig expects to leave this week with Ambulance Company Number Four, N. G. P., for "somewhere," presumably France.

Accompanied by his family, Edward H. Blind of West View, is taking an extended automobile trip including Washington, Philadelphia and Gettysburg.

John Greeny, of Randolph & McClements, has been spending a two weeks' vacation at Atlantic City, prior to leaving for service with Battery B. Miss Eliza McKinley of the same firm is camping near Greensburg, while Walter H. Breitenstein is at Sandy Creek, Pa. Mr. and Mrs. Samuel McClements, Jr., have returned from their wedding trip.

WASHINGTON

When the pending general war revenue bill is taken up for consideration in the Senate, Senator John W.

Weeks, of Massachusetts, will urge the adoption of his proposed amendment which provides for the correction of clerical error in invoices and entering merchandise, and defines the scope of the judicial review in customs litigation.

Importers of florists' supplies will naturally favor the proposal of Senator Weeks, as it is plainly in line with the desires of importers in all lines of business for the simplification of the present badly tangled customs laws, rules, and regulations. Senator Weeks is in receipt of a number of communications from various parts of the country detailing cases of this nature which have occurred incident to the importation of such merchandise into the United States. It is upon these letters from the importers that the Senator is going to urge the adoption of his amendment.

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Roman Hyacinths
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Special Prices on Application

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 SPECIALIZE IN
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Lilium Giganteum Rubrum
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Keystone Snapdragon Seed. Winter Bloom-
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 \$6.00 per ounce.
 Mignonette. Giant Greenhouse Grown.
 \$8.00 per ounce.
 When we say we can please you, we mean
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 SWEET PEA**

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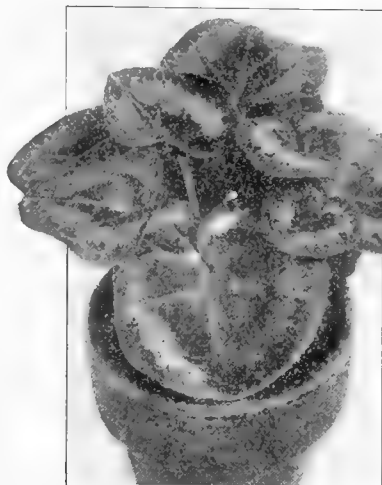
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GIANT CRIMSON
 Pink Salmon White

EXCELSIOR
 White with claret base

\$12.50 per 100

\$120.00 per 1000

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LILIUM GIGANTEUM

NEW CROP NOW READY.

	Per 100	Per 1000
7 to 9 in. (300 bulbs to case)...	\$5.50	\$50.00
8 to 9 in. (250 bulbs to case)...	7.00	65.00
8 to 10 in. (225 bulbs to case)...	9.00	80.00
9 to 10 in. (200 bulbs to case)...	10.00	95.00

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Burpee's Seeds PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
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SEEDS, BULBS AND IMPLEMENTS
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LILIUM FORMOSUM

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GARDEN SEED

BET, CARROT, PARSNIP, RADISH and
 GARDEN PEA SEED in variety; also other
 items of the short crop of this past season,
 as well as a full line of Garden Seeds, will
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For Quality and Promptness
4 PARK ST. - BOSTON

Of Interest to Retail Florists

NEW FLOWER STORES.

Ridgefield Park, N. J.—Henry Weiss-

bach

East Liberty, Pa.—M. Kronis, Penn.

avenu

Monticello, Ia.—R. J. Dills, after

September 1st.

Ossining, N. Y.—Charles J. Weeks,

20 Spring street.

Chippewa Falls, Wis.—F. S. Weig-

and, removing to Bay street

Mount Angel, Ore.—Mount Angel

Seed & Floral Co., C. A. Gerhard, pro-

prietor.

Rochester, N. Y.—Frank McLuis,

Hotel Eggleston, succeeding J. C

Brown.

Yonkers, N. Y.—Ashburton Avenue

Florist, 93 Ashburton avenue, John

Goff, proprietor.

New York, N. Y.—Winter Garden

Florist, 840 Eighth avenue, Charles

Willow, proprietor.

Hackensack, N. J.—Kuhnert Flower

Shop, succeeding Birchwood Gardens,

Mrs. M. H. Heater, 128 Main street.

NEWS NOTES.

Akron, O.—T. A. Lussen and C. Sey-

bold have leased the Dean street

greenhouses.

Ogden, Utah.—The Ogden Floral

Company has changed its title to the

Dumke Floral Company.

Lewiston, Me.—Napoleon Hamel has

purchased the greenhouse and resi-

dence of T. J. Allen, Pine and Howard

streets.

Fort Collins, Col.—John Gardner, re-

tail florist, and James Stewart have

formed a partnership and will erect a

range of houses in the fall.

Benton Harbor, Mich.—Westerbeek

& Klyn of Sassenheim, Holland, have

purchased the gladiolus farm of A. L.

Randall and will grow bulbs for the

American market.

Atlantic City, N. J.—A drive for Red

Cross funds, conducted by a commit-

tee of twenty-five ladies, headed by

Mrs. Joel Hillman, of the Hotel Break-

ers, has netted the handsome sum of

\$5,000 for the Red Cross. This sum

was secured from the sale of flowers,

as high as \$100 being paid for a single

bunch of roses. Twenty-five cents was

the lowest price paid for a bouquet

and many bunches of red, white and

blue flowers sold for prices ranging

from \$5.00 to \$10.00. The young

women sold the flowers on piers, in

the theatres and along the promenade.

Newport, R. I.—The flower show last

week at the Lafayette Theatre was a

joint exhibition of the Newport Gar-

den Association and the Horticultural

Society. All the prizes were money

awards and were given over to the

Red Cross. Nearly every estate in

Newport was represented in the ex-

hibits as well as the prizes. Mr. and

Mrs. Vincent Astor, the Governor of

Rhode Island and Mrs. R. Livingston

Beeckman, Commodore and Mrs. Ar-

thur Curtiss James and Mrs. Elsie

French Vanderbilt were some of the

prize winners who won their own

prizes with exhibits from their places.

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

Artistic Designs . . .
High Grade Cut Blooms

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ANDERSON service means fresh, sturdy
Stock and prompt deliveries in BUFFALO,
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For Retail Stores a Specialty
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Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn the Florist, 124 Tremont St.
Boston—Zinn The Florist, 4 Park St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.
Cleveland, O.—Adam Graham & Sons, 5523 Euclid Ave.
Cleveland, O.—Knoble Bros., 1836 W. 25th St.
Cleveland, O.—The Smith & Fettes Co., 735 Euclid Ave.
Denver, Col.—Park Floral Co., 1643 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, corner Broadway and Gratiot Ave.
Houston, Tex.—Kerr, The Florist.
Kansas City, Mo.—Samuel Murray, 1017 Grand Ave.
Los Angeles, Calif.—Howard & Smith, 853 So. Olive St.
New London, Conn.—Reuter's.
Newport, R. I.—A. T. Bunyard, 145 Bellevue Ave.
New York—J. H. Small & Sons, 505 Madison Ave., at 52d St.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—A. T. Bunyard, 413 Madison Ave., at 48th St.
New York—Dards, N. E. corner 44th St. and Madison Ave.
New York—Max Schling, 22 W. 50th St.
New York—G. E. M. Stumpp, 761 Fifth Ave.
New York—Thos. F. Galvin, Fifth Ave., at 46th St.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28 Olive St.
St. Louis, Mo.—F. H. Weber's, N. E. corner of Taylor and Olive Sts.
St. Paul, Minn.—Holm & Olson, Inc.
Tarrytown-on-Hudson, N. Y.—F. R. Piersen Co.
Toronto, Can.—J. H. Dunlop, 8-10 West Adelaide St.
Washington, D. C.—Gude Bros., 1214 F St.
Washington, D. C.—George H. Cooke, Connecticut Ave. and L St.
Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop, 22 Pearl St.

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prompt and careful attention.

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8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

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Flowers or Design Work

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ON TELEGRAPHIC ORDER

106 STATE STREET, ALBANY, N. Y.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention

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ST. PAUL, MINN.

The Park Floral Co.

J. A. VALENTINE, Pres.

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DENVER, COLORADO



KERR ORDERS FOR TEXAS
HOUSTON, TEXAS
The Florist Member F. T. D. Association

NEWS ITEMS FROM EVERYWHERE

BOSTON.

R. & J. MacDonald & Co. closed their store all day Saturday, July 7, on account of the annual festival of the emerald which took place on that date.

All classes for fruit to be exhibited at Horticultural Hall July 7 have been postponed to Saturday, July 21, on account of the backwardness of the season.

The next important exhibition by the Massachusetts Horticultural Society will be the Gladiolus and Phlox Exhibition on Saturday and Sunday, August 11-12.

Mr. and Mrs. A. S. MacDonald celebrated their golden wedding anniversary at their home in Lexington, on July 4. Mr. MacDonald is a well known Boston florist, located on Temple Place. He is a Grand Army veteran and quartermaster sergeant of the George G. Meade Post, 119, G. A. R., of Lexington. He was born in Plymouth, Feb. 29, 1840. Mrs. McDonald was born in Middlebury, Vt., she is active in the Woman's Relief Corps. Mr. and Mrs. McDonald received many pieces of gold as gifts.

Professor C. S. Sargent entertained a gathering of newspaper men at Holm Lea on Monday of this week. In an informal talk he spoke of the desirability of the acquirement of a 75-acre plot which is now available as an addition to the Arboretum grounds. "The Arboretum is now badly crowded," said Professor Sargent, "and it could use a great deal of additional land. In carrying out the provisions of the givers of the Arboretum estate we have gathered and are gathering hundreds and thousands of valuable specimens which must have room. Already the need is badly felt and later it will cramp us still more. Boston has one of the finest institutions in the world, and the chance to acquire these 75 additional acres, even at an estimated cost of \$5,000 the acre—should not be passed by."

At the Flower Exchange they are talking yet about the decorations at the Heyburne-Reuter wedding at Jamaica Plain, by Stephen J. Quinn. The church was completely transformed into a bower of flowers and foliage. Peonies, hydrangeas, rhododendrons, spiraea, etc., were used profusely. The chandeliers were complete balls of flowers. The rear of the church received the same care of decorations as the chancel and sides, and there was no evidence of the exposed walls and beams so noticeable in most church decorations. At the home the decorations were even more elaborate. Over 1,000 peonies were used at the church and 1,000 yards of laurel. A large tent on the lawn at the home was festooned with laurel and a literal forest of bay trees, laurels and aucubas were arranged.

NEW YORK.

The event of this week was—or would have been if it had not rained—the Greek Florists' picnic on Wednesday.

E. E. Bruggerhof, of J. M. Thorburn & Co., has gone up north on his vacation. "On and up, where Nature's heart beats strong amid the hills."

We have never seen primroses to excel in color, size and substance of flower than those that we noted on a visit last spring to Henry Schmidt's greenhouses at North Bergen. This was especially true of *P. obconica*. They are the true Arends strain of which Mr. Schmidt is said to have got the only seeds that came to this country last season and these are what he is now advertising.

The Horticultural Society of New York will hold an exhibition in the Museum Building at the New York Botanical Garden, on July 14th and 15th. The exhibition will be open from 2 to 5 on the first day, and from 10 to 5 on the second day. Premiums for roses, Japan iris, herbaceous and shrub flowers and vegetables are offered by the New York Botanical Garden, from the income of the William R. Sands Fund, to be awarded by the Exhibition Committee of the Horticultural Society of New York. William Becker will have charge of the arrangements on behalf of the New York Botanical Garden. Plants and flowers for exhibition should be sent by express, prepaid, addressed: Horticultural Society, Museum Building, New York Botanical Garden, Bronx Park, New York City. A lecture will be delivered at 4 p. m. in the Lecture Hall of the Museum, by Dr. A. B. Stout, on "Plants Grown by the American Indians."

ROCHESTER, N. Y.

The Peony Show was not a financial success.

The working force of Geo. Boucher have started on their summer vacations.

George Cramer and Charles H. Vick have gone to Conesus on a fishing trip.

White Bros., of Medina, are sending in large quantities of *Harrisii* lilies to this market.

A. Schoenfelder has two hundred varieties of choice roses in full bloom. One of the best is the new London "Daily Mail." A large number of visitors are at his garden daily.

H. B. E.

CHICAGO.

The flower shop in the Willard Theatre Building at 346 E. 51st street, has again changed hands, Mrs. King having sold out to Gardner & Alexander.

Wm. J. Smyth's large store windows have each a large American Flag with fern and palm plants in the background. The effect is very beautiful.

The Foley Greenhouse Manuf. Co. are shipping the materials today for a vegetable greenhouse for Nick Arrigo, Lincoln, Nebraska. Mr. Arrigo has a large fruit store and the combination of vegetables and fruit will be a good one.

Mrs. A. C. Schutz, of Hammond, Ind., who has been seriously ill for some time, is no better and recovery seems impossible. Two operations have been performed for the removal of a cancerous growth without checking its progress.

J. W. Gore of Paris, Texas, was recently in Chicago. He is now adding to his range of houses with perfect confidence in the business outlook. Mr. Gore says he has lived through wars before and he sees no reason for anticipating anything except good business.

P. J. Foley, president of the Foley Greenhouse Manuf. Co., has been called as an expert witness to help fix the value of the old Reissig greenhouses at Riverside, Ill. In settling the estate after the death of Mrs. Reissig, about four years ago, the property was purchased by a southside banker, whose bank has now suspended payments, and the commercial value of the place as one of the assets, is now an important factor.

Mr. and Mrs. Jas. G. Hancock gave a benefit party July 6th, at their home at 5003 Berteau avenue, which netted the neat sum of fifty dollars. Two groups of blind musicians furnished the entertainment and shared the proceeds, one group giving a concert in the house and the other furnishing the music for a lawn dance. Solos were also given from an upper balcony which was hung with red white and blue lights and over the lawn below were strung a hundred Japanese lanterns making a beautiful picture. Little girls in white varied the program by fancy dances on the lawn while searchlights were thrown upon them. Mr. Hancock takes great pride in his beautiful grounds which came out but little the worse for the entertainment.

H. BAYERSDORFER & CO.
Manufacturers and Importers
 1129 Arch St. PHILADELPHIA, PA.
 A Full Line of Bridal Accessories for the June Wedding Decorations
STOCK UP NOW
THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

Clubs and Societies

ALBANY FLORISTS' CLUB.

About forty members of the Albany Florists' Club journeyed out to the establishment of Frederick Goldring, Fort Grave, nine miles from Albany, where the regular meeting was held. One of the principal subjects under discussion was the use of flowers at school commencements. This subject was especially pertinent, as the Albany Board of Education had placed a ban on the use of flowers at the high school graduation on June 29th. The members thought that florists should not be discriminated against at a time when commencement gifts are being bought and presented, and that the trade should share in any such disbursements. The matter was referred to a special committee, appointed by President John J. Haggerty as follows: Thomas F. Tracey, chairman, Frederick Goldring, Frederick A. Danker, Byron Holmes, Edward P. Tracey, William C. Gloeckner, Robert Davidson, A. D. Wemple, and Louis H. Schaefer. The committee will present the side of the florists through the local newspapers and at hearings before the school board. The secretary was instructed to write to the editor of the *Times-Union*, thanking him for his editorial favoring the use of flowers at commencements. The article appeared too late to rescind the action taken by the Board of Education.

Arrangements for the annual clam bake, usually held in August, was left to a committee made up of Messrs. Louis H. Schaefer, Edward P. Tracey, and Frederick A. Danker. The committee has power to make all necessary arrangements, and will report at the August meeting.

The invitation of Joseph Traudt to hold the September Meeting at his place at Canajoharie was accepted, as was also that of F. A. Danker, who offered to entertain the Club at the October meeting. The August meeting will be held at Henkes Bros' greenhouses, Newtonville. F. G.

AMERICAN ROSE SOCIETY.

An Executive Committee meeting of the American Rose Society was held at the City Club, Philadelphia, at one o'clock on Wednesday, June 27. A revision of the constitution and by-laws, so as to allow for changes in membership fees, was discussed, and it was voted that the Secretary should send out notices of the contemplated changes to all active members that a vote might be secured, as provided for in the constitution and bylaws, before the meeting in Cleveland next fall.

It was resolved "That the present rules for affiliated societies be revised to make affiliation dues one dollar a year for each member of the society, provided that payment of such dues be made to the American Rose Society before February 1st of each year, so that provision might be made for the required number of annuals."

THE NATIONAL ROSE TEST GARDEN AT CORNELL UNIVERSITY.



The National Rose Test Garden at Cornell University and the Plant Industry Conference.

The roses are now in the height of perfection being several weeks later than in previous years. An outdoor meeting of the Plant Industry Conference was held in the garden on Thursday afternoon, July 5. About forty members of the campus community were present, and the outing was most enjoyable.

Professor E. A. White welcomed the

A report of the Washington Rose Test Garden was submitted for the committee by Mr. Robert Pyle.

It was voted that a financial statement regarding the society's exhibition held in Philadelphia March 20th to 24th inclusive be prepared by President Hammond and sent to all guarantors.

Mr. Farenwald presented the plans of the National Flower Show Committee and asked that the American Rose Society prepare a preliminary schedule of premiums for the coming exhibition. Messrs. Farenwald, Penock and Fancourt were appointed on this committee.

E. A. WHITE, Secy.

Ithaca, N. Y.

NEW YORK FLORISTS' CLUB

Between seventy-five and one hundred members were on hand at the special meeting, Monday evening, July 9, to talk over and perfect plans for the S. A. F. Convention, now only a few weeks distant. In the discussion of convention matters W. A. Manda moved a reconsideration of the resolutions adopted at the last meeting eliminating the elaborate entertainment features which had been planned and a lively debate followed, Mr. Manda's motion being finally lost.

It was voted that the names of all members of the Club enlisting in the federal service be retained on the list and their dues suspended during the continuance of same.

Prof. Hottes, president of the Columbus, Ohio, Florists' Club, was a visitor and was called upon for a few remarks.

P. W. Popp showed a vase of hybrid delphiniums which were highly commended and John Sheepers & Co., received a similar award for a collection of lilies, etc.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

I have appointed Mr. A. Rasmussen, New Albany, Ind., Mr. E. G. Hill, Richmond, Ind., Mr. J. F. Ammann, Edwardsville, Ill., on a committee to look into the matter of storm insurance for

members of the conference to the gardens and spoke of the aims and purposes of the American Rose Society in fostering the test garden work. He was followed by Professor A. C. Beal who spoke on the value of different species and varieties of roses and described their location in the garden plan. After a bountiful picnic supper the party inspected the beds and made careful observations of varieties.

the florists. They are to go into this matter thoroughly, and have something definite to report at the convention in August.

Yours respectfully,

R. C. KERR, Pres.

CLUB AND SOCIETY NOTES.

The annual Rose Show of the Worcester County (Mass.) Horticultural Society was held on Thursday, July 5, one week later than originally planned. It was a pronounced success.

The annual meeting of the Cincinnati Florists' Society was held on Monday evening at Hotel Gibson. All the present officers were re-elected as follows: Wm. Schumann, president; James Allen, vice-president; Alex Ostendarp, secretary; J. Chas. Murphy, treasurer; Gus Adrian, trustee.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON July 12	ST. LOUIS July 9	PHILA. July 9
Roses			
Am. Beauty, Special...	12.00 to 15.00	to 25.00	20.00 to 25.00
" " Fancy and Extra...	8.00 to 10.00	to 12.50	12.50 to 15.00
" " No. 1 and culls...	3.00 to 6.00	to 3.00	3.00 to 10.00
Russell, Euler, Mock...	1.00 to 6.00	5.00 to 12.00	3.00 to 12.00
Hadley...	1.00 to 8.00	5.00 to 8.00	3.00 to 8.00
Arenberg, Hoosier Beauty...	.50 to 4.00	4.00 to 8.00	1.00 to 8.00
Ward...	.50 to 4.00	2.00 to 4.00	1.00 to 4.00
Killarney, Radiance, Taft...	.50 to 3.00	2.00 to 6.00	1.00 to 6.00
Ophelia, Sunburst, Hillingdon...	.50 to 5.00	2.00 to 4.00	1.00 to 8.00
Carnations	.25 to .50	.75 to 1.50	.50 to 2.00
Cattleyas	30.00 to 50.00	to 75.00	30.00 to 50.00
Dendrobium formosum	to 50.00	to 10.00	to 10.00
Lilies, Longiflorum	2.00 to 4.00	8.00 to 10.00	6.00 to 8.00
Lilies, Speciosum	to 10.00	to 10.00	3.00 to 6.00
Lily of the Valley	5.00 to 6.00	to 8.00	4.00 to 8.00
Snape dragon	1.00 to 2.00	4.00 to 6.00	1.00 to 2.00
Peonies	1.00 to 2.00	to 1.00	to 1.00
Gladioli	1.00 to 8.00	4.00 to 6.00	4.00 to 6.00
Asters	to 1.00	to 2.00	to 1.00
Calendulas	to 1.00	to 1.00	to 1.00
Sweet Peas	.25 to .50	to .25	.25 to .50
Marguerites	.50 to 1.00	to 1.00	to 1.00
Gardenias	10.00 to 25.00	to 1.00	to 1.00
Adiantum	.50 to 1.00	to 1.00	.75 to 1.00
Smilax	15.00 to 25.00	to 12.50	15.00 to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	20.00 to 25.00	25.00 to 35.00	25.00 to 50.00

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CUT FLOWERS

Flower Market Reports

BOSTON Very drowsy is the atmosphere around the wholesale flower market this week and the presence of many thousands of visiting Elks does not seem to have brought much activity to the retail trade, judging by the stillness that pervades on all sides. Stock in sight has shortened up in quantity but the accumulations of carnations and lilies show that of these two items there are still too many, although the lilies bring a slightly better price than they did last week. The first receipts of the Regal Lily are seen at P. Welch's and already a sharp call for these handsome flowers has been developed. Asparagus Sprengerii appears to be overabundant.

There is no mistaking **CHICAGO** the fact that summer is having its usual effect upon the trade. Those who are comparing their sales, however, with those of a year ago find they are not falling behind, and last year was a banner one. Stock is very good. The heat has not been sufficient to take the life from the roses and they have the freshness of the cool weather while the quantity is sufficient to meet all demands. Prices, of course, are lower than a few weeks ago and this encourages buyers to use more stock. Splendid Mrs. Russell roses are to be had and their color has not faded in the least. Many American Beauties, with five-foot stems, are coming daily, as well as those of shorter length. Carnations are plentiful and of good substance for July. Of miscellaneous flowers there is a good assortment. New ferns are selling for two dollars per thousand.

Business is fair for **CINCINNATI** July but not good enough to clean up all receipts. Stock is very plentiful but only a small part of it is of real quality. Short roses are in a heavy supply but the longer ones are not plentiful. Carnations do not rank very high either in quality and quantity. Gladioli and sweet peas are good and clean up readily. Lilies are plentiful and excellent but sales are weak. Asters may be had.

Lots of flowers but few buyers is the story at present in the wholesale district. Lethargy is prevalent and the situation is accepted by all apparently as something that cannot be cured, hence must be endured. Quality has suffered somewhat in most of the stock now coming in but there is sufficient still in the way of choice material for anyone who is looking for such. A good many very small and full blown roses are sent in every morning that might as well have been tossed on the compost heap. Carnations are small and lack keeping qualities, and there are many more than the market requires. Lilies are a burden. Cattleyas good but slow to move. A few low grade asters are beginning to show their heads.

There is still a little business at **PHILADELPHIA** moderate prices going on every day—"enough to keep

from shutting up shop"—as Leo Niessen puts it. Roses are still the strong feature, although not quite so plentiful as they were. Russell, Sunburst and Ophelia are still the leaders. Double White Killarney is still scarce—especially the better grades. Carnations are on the wane, although there are still some right good flowers coming in. Orchids more plentiful—demand light. Gladioli scarcer than usual for so late in the season. Lilies—enough to go around and very good quality. This cannot be said of the lily of the valley supply, for while there is plenty the quality is not up to standard—especially for distant shipments. The Dutch-grown pips have never been recognized for forcing purposes and that's all the growers can get just now. Delphinium is nearly over. It certainly has made its mark this year. No asters yet to speak of and it is just as well, seeing that the carnation still fills the bill. Gaillardia and rubrum lilies are prom-

SUMMER FLOWERS

No matter how hot the weather, there are always some flowers that the florist can recommend and feel sure will give satisfaction. LILIES are one of these flowers; good keepers, good handlers, and good value. In quantity with us all summer, and of splendid quality at

\$1.50 per dozen
\$8.00 and \$10.00
per hundred

S. S. PENNOCK
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WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI July 9		CHICAGO July 9		BUFFALO July 9		PITTSBURGH July 9	
Roses								
Am. Beauty, Special.....	20.00	to 25.00	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra.....	15.00	to 20.00	15.00	to 25.00	15.00	to 20.00	12.00	to 15.00
" " No. 1 and culls.....	4.00	to 10.00	4.00	to 10.00	2.00	to 4.00	3.00	to 10.00
Russell, Euler, Mock.....	4.00	to 10.00	3.00	to 20.00	6.00	to 8.00	3.00	to 10.00
Hadley.....	4.00	to 10.00	.....	to	5.00	to 8.00	.....	to
Arenberg, Hoosier Beauty.....	4.00	to 8.00	2.00	to 8.00	4.00	to 8.00	.....	to
Ward.....	3.00	to 5.00	2.00	to 8.00	2.00	to 5.00	3.00	to 10.00
Killarney, Radiance, Taft.....	3.00	to 6.00	2.00	to 8.00	2.00	to 6.00	3.00	to 10.00
Ophelia, Sunburst, Hillingdon.....	3.00	to 8.00	2.00	to 8.00	3.00	to 8.00	3.00	to 10.00
Carnations	1.00	to 2.00	1.00	to 3.00	1.00	to 2.00	1.00	to 2.00
Cattleyas	.....	to 75.00	60.00	to 75.00	50.00	to 60.00	.....	to 75.00
Dendrobium formosum	.....	to .....	.....	to .....	.....	to .....	.....	to
Lilies, Longiflorum	8.00	to 10.00	5.00	to 8.00	8.00	to 10.00	6.00	to 10.00
Lilies, Speciosum	.....	to .....	.....	to	3.00	to 4.00	.....	to
Lily of the Valley	.....	to 7.00	4.00	to 6.00	6.00	to 8.00	.....	to 6.00
Snapdragon	3.00	to 6.00	3.00	to 6.00	3.00	to 5.00	.....	to
Peonies	.....	to .....	.....	to	2.00	to 3.00	4.00	to 6.00
Gladioli	4.00	to 8.00	2.00	to 8.00	6.00	to 8.00	4.00	to 6.00
Asters	.....	to .....	.....	to .....	.....	to .....	.....	to
Calendulas	.....	to 2.00	2.00	to 3.00	1.00	to 3.00	.....	to
Sweet Peas	.33	to .50	.25	to 1.00	.50	to 1.00	.20	to .50
Marguerites	.....	to 1.00	.25	to 1.00	1.00	to 1.25	1.00	to 2.00
Gardenias	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum	.....	to 1.00	.....	to .75	1.00	to 1.25	1.00	to 1.25
Smilax	.....	to 15.00	20.00	to 25.00	15.00	to 20.00	.....	to 20.00
Asparagus Plu. & Spreng. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	30.00	to 50.00	30.00	to 75.00

inent just now, and go nicely, which is more than can be said of candytuft, feverfew, alyssum, and a lot of other lowly outdoor items. These are a drug. Greens very plentiful.

Business conditions **PITTSBURGH** continue just about as could be expected at this season, a trifle better, perhaps, for the past week. Products of quality are really holding out exceptionally well, however. With good carnations, roses and lilies, some snapdragon and orchids, it is possible to take care of the quiet trade nicely. The growers hereabouts are now planting their carnations.

Business continues **ROCHESTER** unusually quiet with lots of stock on the market. The stores are filled up with

(Continued page on 40)

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FANCY GRADE ORCHIDS, SEPTEMBER MOON, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

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111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending July 7 1917		First Half of Week beginning July 9 1917	
American Beauty, Special	15.00	to 20.00	15.00	to 20.00
" " Fancy and Extra	10.00	to 15.00	10.00	to 15.00
" " No. 1 and culls.	1.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock .....	.50	to 8.00	.50	to 6.00
Hadley .....	.50	to 12.00	.50	to 12.00
Arenberg, Hoosier Beauty .....	.50	to 4.00	.50	to 4.00
Ward .....	.50	to 4.00	.50	to 4.00
Killarney, Radiance, Taft .....	.50	to 4.00	.50	to 3.00
Ophelia, Sunburst, Hillingdon50	to 4.00	.50	to 4.00
Key50	to 4.00	.50	to 4.00
Carnations25	to 1.00	.25	to 1.00

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MAKE YOUR OWN CHRISTMAS WREATHS START THEM NOW

USE OUR NATURAL PREPARED
GREEN LYCOPodium
Fire proof and guaranteed not to become brittle. Put up in convenient size carton,
10 lbs. net. This is a good substitute for Sea Moss.
PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street
PITTSBURGH, PA.

Flower Market Reports

(Continued from page 47)

outdoor flowers. Outdoor roses are abundant but do not sell at all well. Carnations are not very wonderful, but there appears to be a steady demand. Sweet peas are not plentiful, especially the white. Bachelor buttons sell well. Hoosier Beauty and Scott Key are quite prominent among the roses. There is a scarcity of lily of the valley. Lilies are very plentiful. There is a very small call for orchids.

Summer heat with
ST. LOUIS summer dullness prevails. Good roses are selling out clean. Carnations are very poor. Some good light colored gladioli are coming in. There are a few asters but no fancy stock as yet.

VISITORS' REGISTER.

Detroit, Mich.—George Case, of James Vick's Sons, Rochester, N. Y.

Rochester, N. Y.—Mrs. Charles Lawrence, Pittsburgh, Pa.; George McCallum, Pittsburgh, Pa.

Pittsburgh—J. B. Deamud, New York City; Isaac M. Bayersdorfer, H. Bayersdorfer and Co., Phila.; Milton Alexander, New York City; Robert Shoch, Phila.

Philadelphia—Wm. Y. Velie, Marlborough, N. Y.; Charles M. Weaver, Lancaster, Pa.; Antoine Leuthy, Roslindale, Mass.; Myron Heller, New Castle, Ind.

Cincinnati—Mr. and Mrs. Honaker, Lexington, Ky.; C. E. Ruch, Richmond, Ind.; Chas. Boun, Dayton, Ohio; J. M. Inge, Charleston, W. Va.; R. Q. Schoch, Philadelphia; Jos. Marks, Chicago.

Chicago—C. Kranz, Ottumwa, Iowa; C. V. Abeele, Mount Pleasant, Mich.; J. W. Gore, Paris, Texas; Mrs. Eliza Swensson, Wilson, Florida; Mr. and Mrs. Chas. Cheny, Rockford, Ill.; Miss Dallam, Lyons, Iowa; Repr. of Coles Flower Shop, Kokomo, Ind.

Boston—W. F. Gude, Washington, D. C.; George W. Hess, Botanical Garden, Washington; William Gray, Newport, R. I.; George W. Kerr, Philadelphia; J. Harrison Dick, New York; Leonard Barron, Garden City, N. Y.; Jos. J. Lane, New York; E. W. Edwards, Pittsfield, Mass.; S. W. Carlquist, Lenox, Mass.; Daniel Hay, Newport, R. I.; W. A. Sperling, New York; Allen J. Jenkins, Shrewsbury, Mass.; D. Don, New York; James Watt, Newport; Ed. Jenkins, Lenox; Victor May, Newport; Wm. McGillivray, Newport; Ed. Sceery, Paterson, N. J.; J. A. Ritter, Baltimore, Md.

PHILADELPHIA.

Herbert and Henry Pennock returned to their homes in Florida on the 6th inst.

John Westcott and family spent the

PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M. TELEPHONE MAIN 2698.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending July 7 1917	First Half of Week beginning July 9 1917
Cattleyas.....	15.00 to 50.00	15.00 to 40.00
Dendrobium formosum.....	..... to 40.00	..... to 40.00
Lilies, Longiflorum.....	1.00 to 3.00	1.00 to 3.00
Lilies, Speciosum.....	1.00 to 3.00	1.00 to 3.00
Lily of the Valley.....	4.00 to 6.00	4.00 to 6.00
Snape-dragon.....	1.00 to 3.00	1.00 to 3.00
Spanish Iris.....	..... to .....	..... to
Peonies.....	..... to .....	..... to
Gladioli.....	3.00 to 8.00	3.00 to 6.00
Calendulas.....	.50 to 1.00	.50 to 1.00
Sweet Peas.....	.15 to .50	.15 to .50
Marguerites.....	.15 to .50	.25 to .50
Gardenias.....	10.00 to 20.00	10.00 to 20.00
Adiantum.....	.25 to 1.00	.25 to 1.00
Smilax.....	15.00 to 20.00	15.00 to 20.00
Asparagus Plumosus, & Spreng (100 bunches).....	10.00 to 20.00	10.00 to 20.00

J. K. ALLEN, WHOLESALE COMMISSION FLORIST

Always Ready to Receive Consignments and Can Market Them Satisfactorily. Wanted Specially, Early Peonies, Gladioli, etc., for Spring Trade.

A Clean Record For Thirty Years

118 West 28th Street, - - - NEW YORK

Telephones: 187 and 3058 Farragut

COMMISSION DEALER

FRANK MILLANG

HOME GROWN ASPARAGUS

CUTFLOWERS

IN ANY QUANTITY

55-57 W. 26th St., NEW YORK

holiday week at Waretown returning to Philadelphia on the 6th inst.

Joseph Heacock Co. have joined the 4 p. m. daily closing custom at their Philadelphia headquarters on Ransstead street.

A. B. Cartledge, of Pennock Bros., was operated on for rupture, July 2. He is at St. Luke's Hospital, Broad and Cayuga streets, and is progressing favorably.

The early closing movement seems to have become the order all over the city. The Pennock Company were the first to start it and since then most of the other houses have fallen in line. This seems to be a sensible program for the summer as business is practically nil after 4 p. m. in the summer months. The 1 p. m. on Saturdays seem also to be a move in the right direction. Many of the big department stores close all day Saturday

UNITED CUT FLOWER CO., INC.

Flowers Sold on Commission
Consignments of
Good Stock Solicited

111 W. 28th St., - NEW YORK

Established 1888

Tel. 551 Farragut

GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New England Grown Novelties.

Beechwood Heights Nurseries

Importers and Growers of

ORCHIDS

Cut Flowers of All the Leading Varieties in their Season.

THOMAS YOUNG, Jr., Proprietor
BOUND BROOK, N. J.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display Advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

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ASPARAGUS SEED

S. S. Skidelsky & Co., Philadelphia, Pa.
Plumous Nannus.

ASTERS

Asters—Thinly sown, strong field-grown plants, fully as good as transplanted; Queen of the Market, Simple's Branching, Crago and Mikado, separate colors, \$3.50 per 1000. Cash. **BRILL CELERY GARDENS**, Kalamazoo, Mich.

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BEGONIA LORRAINE.

2 1/4-in. pots, \$14.00 per 100; \$120.00 per 1000.
BEGONIA MRS. J. A. PETERSON.
2 1/4-in. pots, \$20.00 per 100; \$180.00 per 1000.
JULIUS ROEHRS COMPANY,
Rutherford, N. J.

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C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK BRANCH, 8-10 Bridge St.

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CARNATION STAPLES

Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 1000 for 35c.; 3000 for \$1.00 post-
paid. I. L. PILLSBURY, Galesburg, Ill.

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CYCLAMENS

CYCLAMEN—Best strain, separate colors,
or mixed, 2 1/4 in. pots, \$7.50 per 100; \$60.00
per 1000. J. H. FIESSER, North Bergen,
N. J.

CYCLAMENS.

Best strain separate colors or mixed.
3-in. pots, \$10.00 per 100; \$90.00 per 1000.
JULIUS ROEHRS COMPANY,
Rutherford, N. J.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell.
Stock For Sale.
JOHN P. ROONEY, New Bedford, Mass.

ORDERS BOOKED ANY TIME

For Fall or Spring delivery. Wholesale and
Retail. Send for Catalogue. **NORTHBORO**
DAHLIA & GLADIOLUS GARDENS, J. L.
Moore, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

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HASSALL & CO., Orchid Growers and
Raisers, Southgate, London, England. Im-
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PEONIES

French Peonies, etc., for sale with certainty and security. See our New York Catalogues from 1916 and 1917, Peony Specialist. Correspondence: J. W. L. France.

Peonies. The world's greatest collection 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

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"Riverton Special"

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Seeds for the Florist

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

SWEET PEA SEED

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Celery plants, Golden Self Blanching
(French strain), Giant Paschal, also the
grand new Easy Blanching variety, which
is easy to grow; fine plants, ready for the
field, \$2.00 per 1000, or \$8.75 for 5000. Cash.
BRILL CELERY GARDENS, Kalamazoo,
Mich.

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VIBURNUM AND SHRUB SEEDS

125 lbs. Viburnum Lentago Seed, 1916
crop, strictly in damp sand, in prime
condition, should be sown in August, ger-
minates in September. \$2.00 per lb.; 200
transplanted clumps Viburnum pubescens,
bearing size, 20-24 in., 21-30 in., 50c., 75c.;
150 Sorbus sambuci 1 ft. transplants, 12-15
in., 15c. A. H. & N. M. LARK, Marshfield,
Wisconsin.

VINCAS

Vinea variegata from 4 in. pots, price
\$10.00 to \$15.00 per hundred.
WM. CAPSTICK, Auburndale, Mass.

Vinea variegata, 3 1/2 and 4 inch pots, \$10,
\$12 and \$15 per 100. 5 inch pots, \$18, \$20
and \$25 per 100. Cash with order, please.
CHRISTOFFERSON BROS., North Bev-
erly, Mass.

VINES

Flowering and Foliage Vines, choice
collected in large Specimen, Pot and Tub
crown for immediate effect; also Climbing
Roses. J. H. TROY, Mount Hissarlik Nur-
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J. A. Budlong, 184 North Wabash Ave.
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Zech & Mann, 30 East Randolph St.
For page see List of Advertisers.

Kennelcott Bros. Co., 183-65 N. Wabash Ave.
For page see List of Advertisers.

Detroit

Michigan Cut Flower Exchange, 264-266
Randolph St.
For page see List of Advertisers.

New York

H. E. Froment, 148 W. 28th St.
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W. F. Sheridan, 133 W. 28th St.
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P. J. Smith, 131 West 28th St.
For page see List of Advertisers.

Hentz & Nash, 55 and 57 W. 26th St.
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Charles Millang, 55 and 57 West 26th St.
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W. P. Ford, 107 W. 28th St.
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J. K. Allen, 118 West 28th St.
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WHOLESALE FLORISTS

New York—Continued

S. S. Pennock-Meehan Co., 117 W. 28th St.
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Traudny & Schenck, 436 6th Ave., between
26th and 27th Sts.
For page see List of Advertisers.

Paul Meconi, 57 West 28th St.
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Kiedel & Meyer, Inc., 49 West 28th St.
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George C. Siebrecht, 109 W. 28th St.
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John Young & Co., 53 West 28th St.
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M. C. Ford, 121 West 28th St.
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United Cut Flower Co., Inc., 111 W. 28th St.
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Guttman & Raynor, Inc., 101 W. 28th St.
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Gunther Bros., 111 West 28th St.
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Henry M. Robinson Co., 55-57 W. 28th St.
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Herman Weiss, 130 West 28th St.
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Joseph S. Fenrich, 51 West 28th St.
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Frank Millang, 55-57 West 26th St.
York City.
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Philadelphia

Leo. Niessen Co., 12th and Race Sts.
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Edward Reid, 1619-21 Ransstead St.
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The S. S. Pennock-Meehan Co., 1608-20
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Richmond, Ind.

E. G. Hill Co.
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Rochester, N. Y.

George B. Hart, 24 Stone St.
For page see List of Advertisers

Washington

The S. S. Pennock-Meehan Co., 1216 H St.,
N. W.
For page see List of Advertisers.

NEW OFFERS IN THIS WEEK'S ISSUE

LILIUM HARRISII, ROMAN HYACINTHS AND PAPER WHITE NARSICUS.

J. M. Thorburn & Co., New York City.
For page see List of Advertisers.

LOCK OPERATING DEVICE AND GREENHOUSE FITTINGS.

Advance Co., Richmond, Ind.
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PRIMULAS.

Henry Schmidt, North Bergen, N. J.
For page see List of Advertisers.

SNAPDRAGON, PANSY AND MIGNONETTE SEED.

S. S. Skidelsky & Co., Philadelphia, Pa.
For page see List of Advertisers.

SUMMER FLOWERS.

S. S. Pennock Co., Philadelphia, Pa.
For page see List of Advertisers.

TREE SURGERY.

Davey Tree Expert Co., Kent, Ohio.
For page see List of Advertisers.

VEGETABLE PLANTS

Warren Shinn, Woodbury, N. J.
For page see List of Advertisers.

WANTS, FOR SALE, ETC.

Advertisements in this column one cent a word. Initials count as words. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

HELP WANTED

WANTED—Experienced greenhouse assistant. Wages \$18.00 per week with room. Apply "A. S." P. O. Box 75, Warwick Neck, R. I.

WANTED—Middle aged working gardener; single man or small family. Apply by letter to Room 607, No. 15 East 40th Street, New York City.

SITUATIONS WANTED

SITUATION WANTED by head Gardener. 18 years experience on large private estate. Age 33. Single. Wages \$75. Board, room. "G. D." care HORTICULTURE.

THE NUT-GROWER

The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

Subscription, \$1.00 per year

Sample Copy Free

THE NUT-GROWER

No. 2 Francis St.

WAYCROSS, GA.

CHICAGO FLORISTS' CLUB.

The Chicago Florists' Club met at the Briggs Hotel, 188 W. Randolph street, Thursday, July 5th, with twenty-five in attendance. The Transportation Committee reported a change in the time the official train would leave for the S. A. F. Convention, which now is scheduled to leave at 11.45 p. m., Sunday, Aug. 19th, and due to arrive in New York at 5.05 a. m., Aug. 21st. A letter from the Illinois Florists' Association was read regarding the case of A. D. King, of Mattoon, Ill., who lost his fifteen greenhouses and contents, together with his house, and whose wife and five children narrowly escaped death, in a recent cyclone. Contributions of money and stock are requested by the State Association and by the Chicago Florists' Club to help Mr. King, who lost his all in five minutes. It was voted to suspend meetings for the summer and the next one will occur in October.

A GOOD ADVERTISING SCHEME.

Stanley Barnes, of The Flower Shop, Pittsfield, Mass., has placed wooden bench seats at various points along the line of the Berkshire street railway where a number of people wait for trolley cars. The benches are done in green and white with the name "Flower Shop" painted on the back rest. They hold four people and are a great convenience at points where people have to stand while waiting for cars.

During Recess**The Farquhar Picnic.**

The Annual Outing of the employees of R. & J. Farquhar & Co. took place Saturday, July 7, at Glen Echo Park, Stoughton, Mass. Two special cars left Mattapan Square at 9.00 a. m., carrying the company of one hundred and twenty-five to the Park, where the various sports were indulged in. Both members of the firm, James F. M. Farquhar and John K. M. L. Farquhar, were present as guests.

At 12.00 o'clock the company adjourned to the dining room, where dinner was enjoyed. Before leaving for home at 7.00 p. m. luncheon was served.

At the close of the day Honorary President John Farquhar presented the prizes to the winners, as follows:

100-Yard Dash for men won by Fletcher; second, Reilly. 50-Yard Dash for girls won by Miss Carter; second, Miss Hintze. 3-Legged Race, 100 yards, won by Chapman and Raux; second, Emery and Collins. Throwing Baseball for distance, won by Miss Sutton; second, Miss Savage. 50-Yard Dash for men over 40 won by P. Fordham; second, J. Peischer. Baseball Game, Store vs. Nursery, won by Nursery, 4 to 3. Tug-of-War, Store vs. Nursery, won by Nursery. Relay Race for Men, won by Chapman, Sanford, Rolfe and Jones (store team). Relay Race for Girls, won by the Misses Sutton, Carter and Peterson. Hurdle Race won by Fletcher; second, Wilson. Sack Race won by Emery; second Raux. Swimming Race won by George; second Reilly.

The affair was a perfect success in every detail and very creditable to the committees, made up as follows:

Arrangements.—J. W. Davy, chairman, H. Leary, W. Bartlett, J. Armstrong, Wm. Bewsher, P. Fordham, C. Greus, W. Gordon.

Sports.—F. Rollins, chairman, Miss Beckett, Miss Mullen, M. Raux, R. LaGuerin, A. Shellenberg, F. Stead, W. Duncan.

Official.—R. Walsh, starter; W. Bewsher, announcer; J. Armstrong, umpire base ball game; A. Holland, referee foot ball game.

Judges.—A. P. Dewar, W. Gordon, E. Whiting, G. Cruickshank, H. Leary, V. Nilsson.

The publicity committee of the St. Louis Florist Club met at Windler's wholesale house on Pine street to complete arrangements for the automobile parade and annual picnic July 26. F. C. Weber, Jr., Paul Reden, W. J. Pilcher, Geo. B. Windler and W. C. Smith are the committee.

NEW CORPORATIONS.

St. Louis, Mo.—Jacquemin Floral Co., capital stock, \$4,000.

Oklahoma City, Okla.—Mann Plant & Seed Company, to deal in flowers, plants, and seeds, capital stock, \$15,000. Incorporators, W. H. and M. B. Mann and John Comstock.

Est. 1765

Pot Makers for a
Century and a Half**HEWS****STRONG
RED
POROUS****POTS**

Inc. 1904

World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.

If you need a boiler in a hurry telephone or telegraph at our expense

KROESCHELL BOILERS

SEND FOR CATALOG

Kroeschell Bros. Co., 466 W. Erie St., Chicago**Obituary**

Philippe de Vilморin.

News reached us too late to appear in last week's issue announcing the death on June 30, of Mr. Philippe de Vilморin, the head of the old established firm of Vilморin-Andrieux & Co., Paris, the largest seed-house in Europe, if not in the world. This will be a great shock to his many friends on this side of the Atlantic by whom he was held in the highest esteem. He first visited this country with his father, the late Mr. Henri de Vilморin, the year of the World's Fair at Chicago and has made several visits since, accompanied by his charming wife—the last four years ago, when he made a tour of the world travelling east. He was deeply interested in everything pertaining to Agriculture and Horticulture and was a strong believer in Mendel's theories. He conducted many experiments along those lines both on plants and animals and was fond of explaining these to his friends who visited him at his farm at Verriers about 20 miles from Paris. He was a man of fine physique and apparently robust health. He was fond of his family and was greatly

respected by his staff and by all with whom he came in contact.

The cause of his death is not given but doubtless he was serving his country in some capacity at the time of his demise.

L. A. Goodman.

L. A. Goodman, pioneer fruit grower, and highly esteemed among the horticultural people of the west, died suddenly on Tuesday, June 26, at Goodman, Mo.

Mr. Goodman was the leading horticulturist of Missouri and a resident of Westport for 50 years. He had been at Goodman the past two weeks looking after his large orchard interests in that vicinity. Death was due to acute indigestion, superinduced by eating a hearty dinner at the town hotel after a hard day's work in the sun. He was found dead the following morning, sitting at his bedroom window.

Mr. Goodman was born and educated in Michigan. He was graduated from Ann Arbor as a civil engineer in 1867, settling in Westport as a farmer the same year. The present home is the center of his original farm. He served for 10 years as president of the American Pomological Society and for 25 years president of the Missouri Valley Horticultural Society. He was president of the Westport school board for years. He is survived by his widow and three daughters, Mrs. David L. Croysdale, Mrs. Paul A. Simmons and Miss Marie Goodman.

George W. Hillman.

George W. Hillman, secretary and treasurer of the New York Cut Flower Company, aged 54 years, died suddenly of heart disease at his home, in Flushing, L. I., on July 6. He was born in New York, but for the last twenty-six years had lived in Flushing. He leaves his wife, four daughters and three sons. The funeral was held at the First Baptist Church on Monday, July 9. Mr. Hillman had been worrying over the fact that his son Guion on joining the Seventh regiment had been asked by the cashier of the Queens County Savings Bank to resign his position with the bank. The District Attorney of Queens is now investigating the matter.

CATALOGUES RECEIVED.

Ant. C. Zvolanek, Lompoc, California
Florists' List of Winter-Orchid-Flow-

ering and Other Sweet Pea Seed, 1917-18.

H. F. Michell Company, Philadelphia.—Wholesale Catalogue for July and August, 1917. Seeds, Bulbs, Plants and Greenhouse Supplies. A brilliant group of pansies in colors illumines the cover page.

A. T. Boddington Company, Inc., New York.—Midsummer Garden Guide for 1917. An attractive illustrated catalogue, listing Strawberry Plants, Bulbs for Fall Planting, Seasonable Seeds and Sundries.

W. Atlee Burpee & Co., Philadelphia.—"Burpee's Offering." The "offering" includes everything seasonable in flower and vegetable seed and bulb line. There are several colored plates of Burpee specialties.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Kansas City, Mo.—Forest Hill Cemetery, one house.

Manhasset, L. I., N. Y.—Henry Lustgarten, one house.

Wheaton, Ill.—Mrs. J. H. Packer, R. R. No. 3, one house.

Grand Rapids, Mich.—D. Mendel, Wealthy street, additions.

New Bedford, Mass.—Wooler, the Florist, Highland street, range of houses.

DREER'S

FLORIST SPECIALTIES
New Brand New Style
"RIVERTON" HOSE

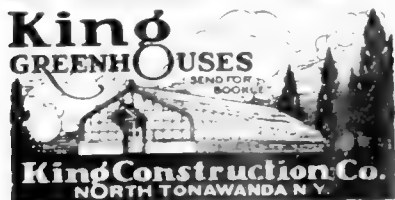
Furnished in lengths up to 100 ft. without seam or joint.

The HOSE for the FLORIST

1/2 in. h.	per ft.	17 c.
3/4 in. h.	per ft.	18 1/2 c.
1 in. h.	per ft.	19 c.
1 1/4 in. h.	per ft.	25 c.
1 1/2 in. h.	per ft.	25 1/2 c.

Couplings furnished

HENRY A. DREER
714 716 Chestnut St.,
PHILADELPHIA, PA.

**OUR
CATALOUGE**

explains everything about the Best Sash Operating Devices and Greenhouse Fittings, that are manufactured.

ADVANCE CO.

Richmond, Indiana

**STANDARD FLOWER
POTS**

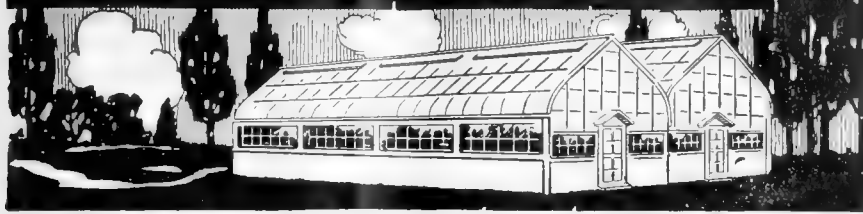
If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST
29th & M Sts., Washington, D. C.

JACOBS BUILT TO LAST GREENHOUSES

The strong, simple construction of Jacobs Greenhouses enables us to keep costs down to a minimum, without affecting durability or utility. In commercial greenhouse building, especially, where costs must be carefully considered, we honestly believe we can give you a "bigger dollar's worth" than the average. Backed by half a century's experience. Write for estimates—today!

S. JACOBS & SONS
1359-1385 Flushing Ave. Brooklyn, N. Y.



FOLEY MATERIALS

ARE THE BEST FOR

Iron Frame, Pipe Frame or Wood Frame GREENHOUSES

Estimate and Sketch Submitted Promptly

THE FOLEY GREENHOUSE MFG. CO.

3275 West 31st Street, CHICAGO, ILL.

MASTICA



For Greenhouse Glazing
USE IT NOW

F. O. PIERCE CO.

12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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When writing to advertisers kindly mention **HORTICULTURE**.

GLASS

AND
HOT-BED SASHES

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.

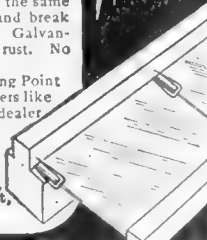
215-217 Havemeyer St., Brooklyn, N. Y.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2



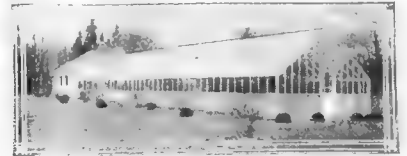
The Florists Hall Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars address **JOHN G. ESLER, Sec., Saddle River, N. J.**

Metropolitan Greenhouses

Revenue Producers

The entire Metropolitan organization is trained to produce—economically, speedily and above all satisfactorily.

Its aim is to deliver maximum



quality at the lowest consistent cost.

Its field forces are experienced in hastening the owner's revenue from his greenhouse, by speeding its construction.

Its executives make every effort to render a service that is at all times absolutely dependable.

PUT YOUR GREENHOUSE PROBLEMS UP TO US

We go anywhere in the U. S. to submit plans and prices.

Metropolitan Material Co.
PATENTED GREENHOUSES

1297-1325 Flushing Ave.,
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GULF CYPRESS

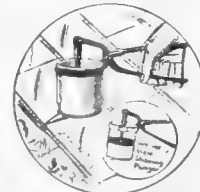
GREENHOUSE MATERIALS

HOTBED SASH
GLASS

Pecky Cypress Bench Lumber

THE ONLY PERFECT LIQUID PUTTY MACHINE

Will Last a Lifetime, \$1.25 each



"SEAL TIGHT LIQUID PUTTY" will not harden, crack or peel off \$1.25 per gallon in 10 gallon lots. \$1.10 per single gallon.

Non-Kink Woven Hose

In any length (one piece) with couplings, 14c. per foot. Remnants 15 to 30 feet, coupled, 5c. per foot. Unequalled at the price.



Metropolitan Material Co.
PATENTED GREENHOUSES

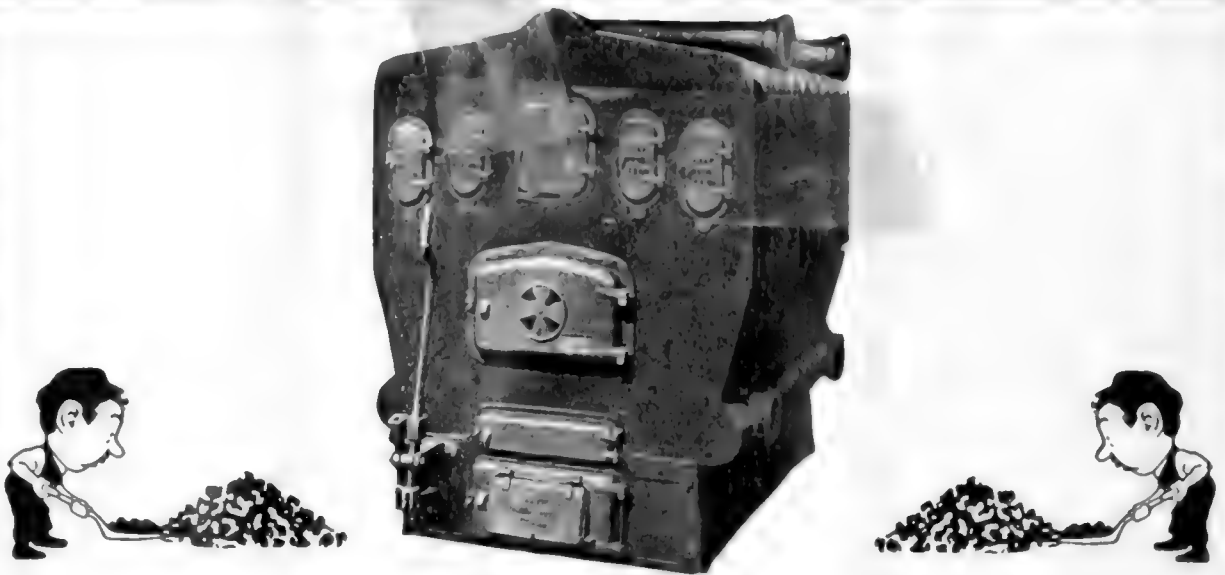
1297-1325 Flushing Ave., Brooklyn, N. Y.



Evans 20th Century Arm

Most up-to-date arm on the market. Show that it is better than any other is that others tried to imitate it. Write for our 1916 catalog just out.

JOHN A. EVANS CO.
Richmond, Ind.



COAL

How Much You Burn Next Winter Depends Mainly On What You Do NOW

EVERY lump of coal you burn next Winter is going to cost you more money than it has ever cost you before.

Never before was it more *vitally important* for you to see to it that not a single one of the lumps you burn is *wasted*.

See to it by seeing to it *now* that your heating system has no coal-wasting trouble. Let us thoroughly overhaul it.

Let us make the wrong thing right *now*.

Don't wait until the last thing next Fall.

There are so many fellows that insist on putting off tending to their heating troubles until the very last minute,

that this Fall will find us, as usual, buried under with hurry-up orders. Every job, however, that we agree to attend to at all we will attend to *thoroughly*—no skimping in time or care, no matter how many of the put-off-until-tomorrow kind may be writing, 'phoning or wiring us. With the Labor Market in its present condition, we can make

no promises of being able to attend to your heating troubles if you refuse to trouble about them until trouble comes.

BOILER TEND-TOS TO TEND TO NOW

Here are a few things to do Summertime to make a better boiler Wintertime.

Open all boiler doors, and keep them open. If you don't the boiler will sweat.

If it sweats it will rust.

Slip off the smoke pipe, when not in use.

Clean-out all soot. Soot is a non-conductor of heat and helps boost coal bills. It also gathers moisture and starts rust.

Swab out the inside of the boiler with crude oil. Give it a thorough internal rust preventing bath. It will add years to its life.

Keep out of that last minute trouble rush. Write to our Trouble Man today.

Hitchings Company

NEW YORK
1170 Broadway

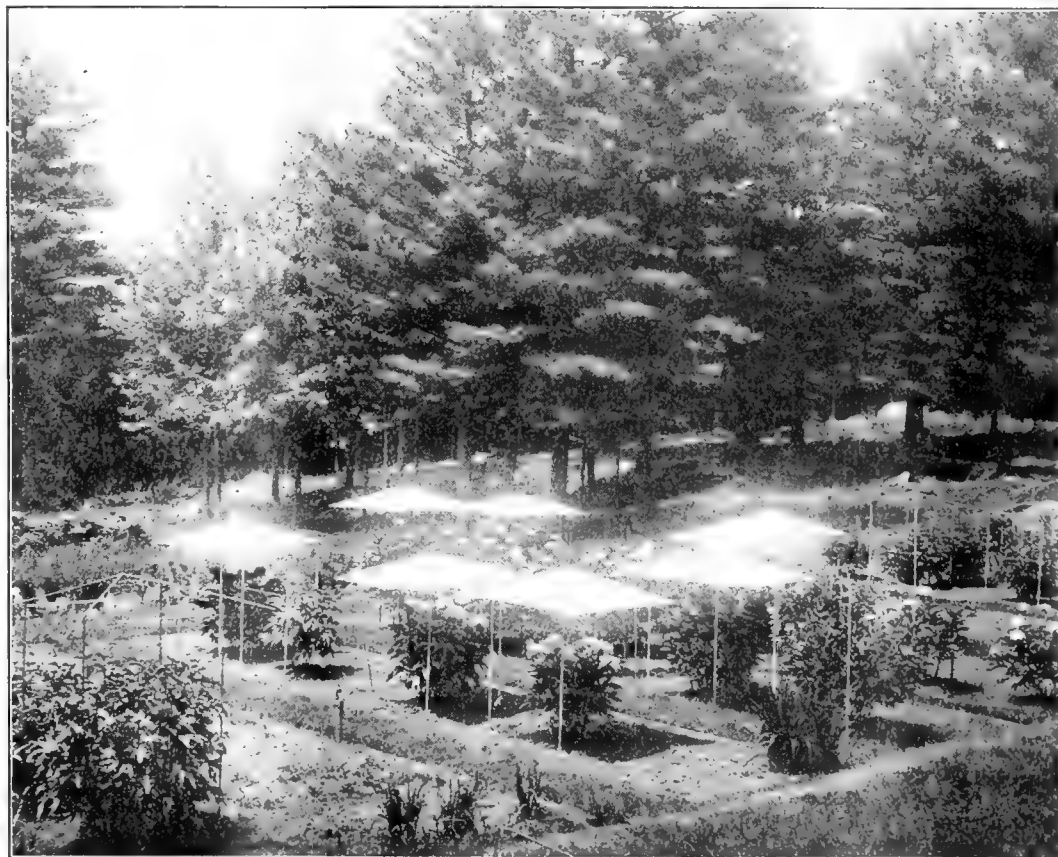
BOSTON
49 Federal Street

PHILADELPHIA
40 S. 15th Street

General Offices and Factory, Elizabeth, N. J.

Vol. XXVI
No. 3
JULY 21
1917

HORTICULTURE

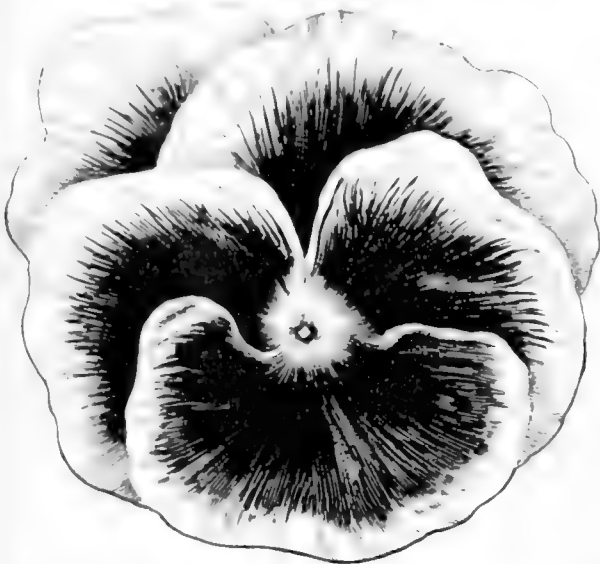


Screens for Peonies

Published Every Saturday at 147 Summer Street, Boston, Mass.
Subscription \$1.00

The KENILWORTH Giant Pansy

Seeds are all grown by myself and are offered in the following mixtures and separate colors:
All sorts and mixtures except where noted are: \$5.00 per oz., \$1.25 per 1/4 oz., 5000 seeds, \$1.00; trade packet of 1000 seeds, 25c.; any packets \$1.00. Please order by number.



22. **GIANT KENILWORTH STRAIN.** The flowers are of perfect form and substance; many of the immense flowers are from 3½ to 4 in. It is a striking collection of beautiful colors and markings, rich with shades of red, brown, bronze, mahogany and many others too numerous to mention. Light, Medium or Dark Mixtures.
24. **GIANT KENILWORTH SHOW.** An extra fine strain of large flowers; the immense flowers are of circular form and great substance. A beautiful collection of colors and markings.
10. **KENILWORTH GIANT EXHIBITION** is the very finest complete mixture ever sent out. Seed carefully saved only from marked plants of the best varieties, with the largest and best shaped flowers and richest coloring. It is impossible to convey an adequate idea of the delightful variations in color and markings of this unrivaled mixture. 500 seeds 30c, 1000 seeds 50c, 1/4 oz. \$1.35, 1/2 oz. \$2.50, oz. \$10.00.
- New Early Flowering or Winter Blooming**
- An entirely new and distinct strain of Pansies. The main advantage of these new Pansies over all hitherto existing Pansies is the extreme earliness of flowering. Sown at the same time as other Pansies, they begin flowering the early part of March or as soon as the snow is off the ground, many times having four or five large flowers to a plant, when all other Pansies are only showing buds. The flowers are large, well formed and fragrant.
14. **WINTER SUN.** Golden yellow with dark eye.
15. **ICE KING.** Silvery white, with dark eye.
16. **CELESTIAL QUEEN.** Light or sky blue.
17. **CHARM OF MARCH.** Dark velvety blue.
18. **MIXED.** The above four colors with other shades and variations.
20. **PRINCESS.** (The New Upright Pansy.) This strain is entirely distinct from all others. It is absolutely compact, upright growing. The flowers are mostly blotched and frilled like the Masterpiece, of good form and heavy velvety texture on heavy stem carried well above the foliage. Attractive by brilliancy of its colors.
26. **GIANT KENILWORTH CUT FLOWER MIXTURE.** Is a distinct class by itself, surpassing all other strains in a cut flower for indoor or outside growing. The large flowers are carried erect above the foliage on heavy stems, 7 or 8 in. long in the most graceful manner, and stand for 100 days or more.
28. **GIANT MASTERPIECE.** A remarkable type, the curled wavy petals giving the flower a double appearance, large flowers of great substance, on long strong stem.
30. **GIANT THREE AND FIVE BLOTTED PANSIES.** A superb mixture. Flowers large and of circular form and of great substance. The display of coloring is unsurpassed. A combination of almost every shade of rich, velvety colors; reds are particularly conspicuous; the petals being distinctly marked with three or five large, dark blotches.
32. **GIANT PARISIAN.** The flowers are of enormous size and beautifully marked, mostly five dark blotches on white and yellow ground; an unusually showy mixture.
34. **GIANT BRONZE.** A fine mixture of all shades of velvety brown, bronze, Havana brown mahogany and copper shades.
36. **TRIUMPH OF GIANT.** Remarkably beautiful. The imposing five spotted flowers on long, vigorous stalks surmount the foliage in the most graceful manner, are of enormous size, perfectly round and of unusual substance. The individual petals are very broad and cover each other in such a manner as to make the flowers appear almost double, the border of every petal being conspicuously curled. The plants are of a robust growth and form compact bushes of a round shape.
40. **GIANT BATH'S EMPRESS.** The finest of fancy English Pansies. Flowers are very large, mostly frilled and blotched and of great substance and the colors are brilliant and varied.
70. **ORCHID-FLOWERED, Mixed.** A dwarf, free bloomer, with a range of delicate colors that do not exist in any other Pansies; a remarkable combination of light rose, shell pink, bluish mauve, fawn, light brown, orange and chamolis.

GIANT PANSY SEED

In Separate Colors

28. **Mme. Perret.** Red and wine shades.
42. **Adonis.** Light blue, white center.
44. **Black.** Almost coal black.
46. **Giant Apollo.** Masterpiece type. New bronze, veined and blotched.
48. **Lord Beaconsfield.** Purple, shaded white.
50. **Goliath.** Large, curled yellow, blotched.
56. **Light Blue Shades.**
58. **Indigo Blue.** Deep, velvety blue.
80. **Purple.** Large, rich deep color.
84. **Mercury.** New. A deep blackish purple, really self-colored.
86. **Fres. McKinley.** Yellow, dark blotched.
90. **Vulcan.** Dark red, with five blotches.
92. **Victoria.** Blood red, violet blotches.
94. **Red.** A collection of rich red shades.
98. **Psyche.** Curled white, with five blotches.
100. **Yellow.** With dark blotch.
102. **Yellow.** Large golden yellow.
104. **White.** With violet blotch.
106. **White.** Large, silvery white.
110. The preceding 10 colors mixed in equal proportions.

Chas. Frost
Kenilworth, N. J.

HYDRANGEAS

Dormant Plants for July and August-flowering

The French varieties and Otaksa, in common butter tubs, \$2.50 and \$3.00 each. Otaksa, large specimens in half-barrels, \$10.00 to \$15.00 each.

F. R. PIERSON, Tarrytown, N. Y.

Specialists in Specimen Stock for Landscape Work

Hardy Rhododendrons, Azaleas, Boxwoods, Hollies and a Complete Line of Coniferous Evergreens.

WRITE FOR PRICES

Cottage Gardens Nurseries, Inc.
EUREKA : : CALIFORNIA

FERNS

Asplenium Nidus Avis (Bird's nest Fern)

2 in. pots, \$12.50 per 100, \$100 per 1000.

2½ in. pots, \$15 per 100, \$125 per 1000.

3 in. pots, \$25 per 100.

4 in. pots, \$50 per 100.

5 in. pots, \$75 per 100.

Table Ferns in flats, leading varieties, one variety in each flat, \$2.00 per flat.

Kentias for centers, 6 to 8 in. high, \$12.50 per 100; 8 to 12 in. high, \$15.00 per 100.

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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If rain our toll, we ought to blame the culture, not the soil."—Pope.

Carnations in Field

Make a practice of going through with the cultivator once every week, even should there be no rain and after every rain cultivate just as soon as the soil is in working condition, but be careful not to work the soil while it is wet. The idea is to keep a layer of pulverized soil on the top all the time to conserve the moisture below. Pinch back such stems as have begun to run up. In that way you will have by benching time plants with shoots in every stage of growth, and that means a steady crop of blooms next winter. By going over them often you will also avoid a waste of energy, as you will be able to top each shoot at the time it is ready and it will not be necessary to take off two weeks' growth that the plants should not have been allowed to make.

Cyclamens

Neglect now will mean a decided loss when it comes to the sale of plants for Thanksgiving and Christmas. The plants must not be allowed to get hard or pot-bound, nor to crowd one another. Spray the plants each bright day and use a nicotine extract once a week to ward off attacks of mite, thrips and aphids. Keep the house well ventilated and, if possible use movable shades so that the plants will not become drawn. A greenhouse bench where the plants can be protected from hot sun is the ideal place for them. If the pots can be plunged, just as good plants may be grown here as in cold frames, although the latter always seems a little stockier. The soil for the last potting should consist of two parts fibrous loam, with one part dried cow manure and one part flaky leaf mold, not too much decayed, with a generous dash of sharp sand and some fine charcoal added. Give good drainage.

Hardy Perennials

This is the beginning of the season when the hardy border looks its brightest. Keeping the bed free of weeds, staking, tying, labeling and watering is work to be attended to at this time. The seeds of nearly all varieties that may thus be raised to an advantage, germinate readily and can be grown into sturdy little plants. All transplant easily when still small. A frame or a nicely prepared bit of ground will do finely for a seed bed, or the seeds may be started in trays or boxes. An early pricking off is advisable and soon after that a planting into cold frames or the open borders with sufficient time for re-establishment before winter sets in. It is this one of the ways whereby good stock for next year's sales may be had where lack of sufficient garden space forbids the maintenance of a hardy herbaceous border.

Stocks

Sow the seed now or at least a part of what is intended for next winter's flowering out. The variety known as Beauty of Nice, a fresh pink, is a good one. Mont Blanc is a splendid white and for a delicate lilac three is Queen Alexandra, and for a deep rose Empress Elizabeth will answer nicely, not forgetting the old standby "cut and come again" for a white. As soon as the seedlings are large enough to handle, pot them up singly and let them come along in a cool house. They may have to go into 3½ in. pots before you are ready to plant them out on the benches after the early chrysanthemums come out. Where you want to have a large amount of double flowers it is best to wait until they show flower buds. The blunt buds always come double.

Syringing and Spraying

You can't expect begonias and primulas to do well in a house or frame with a temperature near the 100 point and a dry atmosphere. Open up the doors and ventilators. Apply a light shading and make good use of the hose—not to soak or to keep the plants standing in water, but to help to maintain as low a temperature as possible. Spray the plants lightly, walk through the house at intervals—live with the plants if you are anxious to see them do well. This also holds good in a palm house, and if you do not wish to wet the ferns too much let the walks have it. Take a house of chrysanthemums for instance, on a day when the thermometer registers 90 or more in the shade. This syringing should not be applied so as to soak the bench every time; all it is for is to wet the foliage so as to make it easier for the plants to withstand the heat, and spraying the walks and below the benches will create a moist atmosphere.

Reminders

Repair all benches before filling and see that the sides are sufficiently good to stand the strain of the extra weight of new soil.

Surface watering without seeing that the pots are wet all through has killed more young pot stock than any other detail of mistaken culture.

Prune back spiraeas, viburnums, diervillas, syringas and other flowering shrubs as the flowers fade. Any newly planted stock which is growing freely will need severe pruning.

Some pelargonium cuttings taken now will give splendid plants for flowering next April and May. Do not overwater them.

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The Sunday flower problem

The New York wholesale flower people are very much elated over the community of compliance on the part of the fifty wholesale dealers concerned and the consequent complete success of the movement after years of agitation for the closing up of business on Sunday. Never since the establishment of the business have these dealers had a Sunday all their own and this fact alone has acted as a repellant influence to keep many valuable young men out of this branch of the flower trade as it has also done in the retail store business, and who can blame them. Naturally there is a certain amount of protest from New York retailers

against the action by the wholesale dealers which deprives them of a ready source of supply for Sunday and is and makes it necessary for them to lay in a stock on Saturday for possible Sunday requirements, but not all the retailers are heard in disapproval. On the contrary many of them are quite willing to acknowledge the reasonableness of the wholesalers' course and some go so far as to express the wish that a similar agreement might be possibly entered into by the retail dealers. That, however, would seem almost impracticable except possibly through more stringent legislative enactment than now exists against any sales of flowers on Sunday, something not very easy to enforce. There are so many small traders in hotels, railroad stations, on excursion boats and on much frequented thoroughfares who would not and really could not be expected to co-operate in any voluntary agreement to abandon Sunday business that the problem would be difficult of solution however it might be approached.

It is to be expected that flower values in the wholesale markets will always fluctuate more or less, according to conditions of immediate supply and demand.

It will be generally acknowledged, we think, however, that the smaller and more infrequent these fluctuations are the better it will be for the business and that it would be an advantage all around if steadier values could be maintained than is the case in some markets. A decided break in values is always a bitter dose for somebody, while excessively high prices carry their own eventual penalty in that they are quite likely to act as an incentive to over-production later on. We have in mind the condition of the longiflorum lily market in certain important eastern centres during the past few weeks. The congestion which has worked so disastrously for the growers and wholesale dealers in this commodity is unquestionably due to rash overplanting or faulty calculation as to what the market will stand at the time the bulbs are due to bloom. An unfortunate feature of the situation is the wide divergence in selling prices as between the markets in question and those where the production has not been overdone. Just what influences are at work to bring about these localized derangements might be worth a little investigation by the wise minds that plan and direct the activities of the organizations that are presumed to look after the welfare of the flower trade. It is a natural conclusion that a wider distribution of the product outside of the overburdened markets would tend to restore a semblance of uniformity in values but that does not seem to so work out where it has been tried, the demand not increasing materially in response to the low prices at which the goods were offered. This lily matter is not an isolated instance for there are plenty of inconsistencies in the flower trade that might be discussed with profit but we have brought it out as a particularly flagrant case. A very earnest and business-like convention has been promised for New York next month in lieu of the customary convention frivolities. Whether his product is going to realize ten dollars or only one dollar a hundred is a problem of vital concern to the man who has to pay for the bulbs and grow them and while the chances for any practical method of control are very slim yet an hour might perhaps be wisely devoted to the subject and an opportunity afforded to interested parties to say publicly some of the things they have been saying in private concerning the lily muddle.

SCREENS FOR PAEONIES

The varieties of pæonies desirable in a small garden need screens for several reasons:

First.—At blossom time the atmosphere is in a disturbed condition, violent rains are common and hail not infrequent. Either ruin the flowers. Rain makes them so heavy the stems fail to support them, and browns the petals. After a violent storm the pæony garden is a heart-breaking scene, unless screened.

Second.—All the most lovely light varieties fade quickly, many before they are fully open if the sun is bright. To preserve these delicate tints, pæonies are usually cut as buds at evening, kept over night in a cool dark place and placed in the vases in the morning. This is the correct way to treat them unless they are grown under screens, but they never come to their full beauty in this way, because they have no nourishment beside water. The finest blooms can only be obtained by maturing on the plant. Moreover though cut flowers are decorative, the true gardener gets his pleasure from well-grown plants with perfect flowers. Pæony shows will never be artistic until the plants for exhibition are grown in large tubs sunk in the ground and lifted for the occasion. Surely the king of flowers is worthy of as much care as azaleas or chrysanthemums. Usually the mistress of the house decides upon the arrangement of the house garden. If she considers screens disfiguring, then plant a little pæony garden in the forest, especially for screened pæonies, as shown in the illustrations. The plants in the middle foreground are Duff and Therese received from Shaylor in the Fall of 1915. They show what to expect of well-grown roots the second summer. The size can be seen from the framework of the screens. The uprights are four feet above the ground, and about three feet apart.

The screen represented consists of an iron frame and a cloth cover. A frame has four uprights of cylindrical iron, one-half inch in diameter, five feet long for the majority of pæonies, six feet for the tall growers. The roof has four rafters of cylindrical galvanized iron, one-quarter of an inch in diameter, three feet three inches long for the smaller plants, four feet six inches for the wide spreading varieties. The four rafters are held together at the apex of the roof by a cross-shaped bronze casting into which they are screwed. Each at its outer end is screwed into a bronze-eye. They are attached to the uprights by bronze castings made hollow to receive the tops of the uprights, to which they are fastened by screws to admit of quick erecting or removal. Where storage space is available, the whole roof frame with its attached sockets should be kept as one piece when removed, and if they are stacked one above the other, fifty occupy but little floor space.

The roof covering is made of cotton drilling dyed of suitable tints to more or less exclude the actinic rays of the sun. At each corner is a grom-

met. To fasten the cover in place on the frame, cords are passed through the grommets and the eyes on the ends of the rafters, and tied. To ensure driving the uprights in the correct positions to receive the roof sockets, a form of wood in two pieces is laid on the ground, which has a guide slit at each corner, into which the end of an upright is inserted and driven a foot into the ground with a wooden mallet. This sounds complicated but only six minutes are required for the complete erection of a screen. As the pæony shows always make new converts to pæony culture, it is a suitable time to call the attention of those contemplating planting this fall, to the importance of screens, that they may be made during the leisure hours of winter.

William Rollins

Boston.

PEONIES AT THE MINNESOTA SUMMER MEETING.

This was a splendid success. Secretary Latham some way has a knack of keeping on the good side of the weather man. For over twenty years the great show has dodged all the storms of the rainy season and we have had on that occasion ideal weather.

The exhibition was marvelous. Mr. Ruff of St. Paul was there with probably the finest display of imported peony varieties in the country. There was the queenly La Cygne, in robes of purest white. Brand was there with his great collection. While some others can equal or surpass him in whites, I think he can challenge the world with reds. When Brother Brand first found that radiant immense red which he named for his wife, Mary Brand, he was so enchanted with it that he put the price at \$100 a root and actually sold one at that figure, probably the highest ever paid for one root. A more recent introduction is Richard Carvel, a brilliant, soft crimson, very fragrant and very early. We have long needed a fine red for Decoration Day to match Umbelata Rosea and Edulis Superba, and this radiant one comes in to fill the bill.

There were many visitors from abroad, among them the genial Mr. Good, of the Good & Reese Co., of Springfield, Ohio. He fairly glowed with delight at the marvelous exhibit.

The soil and climate of Minnesota are well adapted to the peony. They love cool and moist weather. Up there our old favorites grow about one-third larger than in the hot dry climate of Kansas and Nebraska.

C. S. HARRISON.

HOLLAND PROSPECTS.

A letter from a Holland nursery establishment, received a few days ago, states that they have been informed that the Holland steamers will be examined at Halifax, so that it will now be possible to make shipments from Holland to the United States on Holland boats.

PURITY OF SWEET PEA SEED.

Editor HORTICULTURE:

Dear Sir:—In HORTICULTURE of the 14th inst. you quote me as saying I am very well pleased if I get 25 per cent. of my varieties true to name, this being in regard to sweet peas, during the remarks made at the Convention at Boston. I wish you would correct this, as I feel just as Mr. Sim does, that it would be time to give up growing sweet peas if such was the case. My remarks were in regard to the purchase of Hercules Spencer sweet peas made last fall which turned out 100 per cent. untrue, as all were Apple Blossom or Mrs. Cuthbertson grandiflora except two and these two were a flushed white grandiflora. There is no excuse for this, except carelessness in handling the seed either by the grower or seed house. In most cases the varieties come perfectly true or with one or two rogues, which we naturally expect.

Seed houses should be careful to secure seed from only the best sources, for, as in everything else there are growers who pride themselves in doing everything possible to keep stock pure, and there are others who are careless in this respect. In looking over the eighteen varieties I grew from seed sown this spring I find sixteen of them absolutely true, one with one rogue in thirty-six plants and one—a new variety, "Hope," bought in the originator's packets, with three orange rogues in twenty-four plants. Of the nine varieties grown from seed sown last fall, with the exception of Hercules mentioned, only two rogues appeared in 175 plants of the other varieties.

WILLIAM GRAY, Secy.

Newport, R. I.

BRONX PARK LECTURES.

Free public lectures will be delivered in the lecture hall of the Museum building of the New York Botanical Garden, Bronx Park, Saturday afternoons, at four o'clock, as follows:

July 14 "Plants Grown by the American Indians," by A. B. Stout. Exhibition of flowers July 14 and 15.

July 21 "Flowers for the Summer Garden," by G. V. Nash.

July 28 "How the Introduction of Foreign Plant Disease is Prevented," by H. B. Shaw.

August 4—"Floral and Scenic Features of Cuba," by Dr. M. A. Howe.

August 11 "Books on Gardening," by Dr. J. H. Barnhart.

August 18—"Trees and Flowers of the Yellowstone National Park," by Dr. P. A. Rydberg.

August 25 "Insect Enemies of Plants," by Dr. F. J. Seaver. Exhibition of gladioli, August 25-26.

The lectures occupy an hour and will be illustrated by lantern slides. Doors will close at four o'clock.

A CORRECTION.

Editor HORTICULTURE:

In my article on page 40 last issue of HORTICULTURE, in the next to last paragraph, two typographical errors crept into my communication which do not improve the reading, viz.: second line, the word exhibitors should be exhibitions. Third line from last, the word reception should be repetition.

Very truly,

A. H. FLEWES.

Newton Highlands, Mass.

THE S. A. F. CONVENTION

With the Chicago Convention only one calendar month distant, it is most gratifying to realize that arrangements for Convention Garden, Trade Exhibition, and the Convention itself are practically completed, and there only remains the big attendance, which all the workers confidently expect, to insure that the 1917 Convention will be the greatest in the history of the Society.

The Convention programme has gone out to the members and a careful consideration of it will show that there are subjects of most vital importance to come before the Convention, subjects which entail action tending towards great benefit to the trade generally.

The promotion of the proposed Bureau of Credits and Collections has been before the Executive Board, and that body has done what it could to facilitate the commencement of the actual work of promotion. But great ideas, as well as great bodies, move slowly, and it will not be until the project has been thoroughly threshed out in Convention that actual work, with full powers conferred by the Society, can begin.

The subject, "Publicity for Flowers" will again occupy the attention of the Convention. While the full aims of the Society have proved to be far from possible along the lines considered, much good work has been done, and it is hoped that the subject will be so fully discussed that a course of action may be decided upon which shall lead to the results desired.

There is a strong rumor that the Interstate Commerce Commission is to be approached by the Express Companies for a ruling as to whether a delay of 24 hours in the delivery of perishable goods should be considered otherwise than reasonable. It goes without saying that a ruling from the standpoint of the express companies would result in much hardship for our growers in the shipment of stocks to the markets, and the trade in general would suffer much injury. This matter should receive the serious attention of the Convention.

The extension of the sentiment attaching to "Mother's Day" is another important matter slated for discussion, one in which nearly all branches of the trade are deeply interested.

The report of the National Flower Show Committee, to be presented by Chairman George Asmus, will, it is expected, take up the greater part, if not the whole of one session. The report will demonstrate that the wisdom of doing things on a large scale is unchallengeable, and that immense benefit in the way of publicity for florists' productions naturally follows.

The work of the Committee on Tariff and Legislation will be fully considered, and the discussions will be most interesting, especially in view of the fact that certain legislation derogatory to the interests of florists has been deemed sufficiently important

to render the engagement of legal counsel absolutely necessary in the stand being made by our Society.

The various sectional societies will hold meetings as usual, and in view of the fact that certain of these societies are now co-operating with the S. A. F. & O. H. in much of its work, these meetings will take on more than usual importance.

The Florists' Telegraph Delivery, which is distinctly a section of our Society, will hold an important meeting on the first day of the Convention, and President William F. Gude and Secretary Albert Pochelon will at this meeting welcome all retail florists who may be in attendance at the Convention, whether members or not, in order that the objects and system of the organization may be fully explained to them, and the benefit attaching to a membership demonstrated.

In line with other important work taken up by the Society will be a discussion of a project to form a Bureau of Insurance against storm damage. President Kerr some time ago appointed a committee to consider this important matter, and the report of this committee will be presented at the Convention. All florists interested in this subject should surely be in attendance. The Hail Insurance Association has proved a great success in spite of serious misgivings at the start, and it is possible that a plan for insurance against storm damage can be evolved with equal success.

"The Florists' Business in Relation to the War" will be another subject for full discussion. Some very able speakers will deal with the various phases of the subject, and it is expected that much doubt as to the accomplishment of "business as usual" will be dispelled.

Complying with the wishes of the Executive Board, all organized forms of entertainment for visitors to this Convention have been dispensed with, and such entertainment as will be proffered will be largely of a private character, although, perhaps, none the less enjoyable. The New York trade will see to it that hospitality is not wanting and with the many pleasures and attractions at all times to be found in New York, visitors are not likely to greatly miss the functions such as have been in evidence at former Conventions.

The Ladies' Society of American Florists will, as is customary, have quarters in the Grand Central Palace, near the Secretary's office, where Mrs. Charles H. Maynard, its secretary, will be in attendance to receive members and visitors.

List of those who have already reserved space in the Trade Exhibition:

John G. Scheepers, Inc., New York; George L. Stillman, Westerly, R. I.; B. Hammond Tracy, Wenham, Mass.; John Lewis Childs, Flowerfield, N. Y.; Reed & New York; J. C. Moninger Co., Chicago; New York; Jackson & Perkins Co., Newark, N. Y.; American Greenhouse Co., Chicago; Russin & Handling, New York; John A. Evans Co., Richmond, Ind.; Lord & Burn-

ham Co., New York; Hitchings & Co., Elizabeth, N. J.; Henry A. Dreer, Inc., Philadelphia; H. Bayerdorfer & Co., Philadelphia; Worthmeier Bros., New York; Kirschell Bros. Co., Chicago; A. L. Randall Co., Chicago; King Construction Co., N. Y.; T. J. T. Co., N. Y.; The M. Rice Company, Philadelphia; H. F. Mitchell Company, Philadelphia; S. S. Pennock Co., Philadelphia; Jos. G. Seldinger Co., Philadelphia; Robert Craig Company, Philadelphia; A. N. Pierson, Inc., Cromwell, Conn.; Expander Wood Company, Evansville, Ind.; The Lion Company, New York; Jos. Hancock Company, Wynetoe, Penn.; Chicago Feed & Fertilizer Co., Chicago; P. J. Kraus, New York; Mead Snyder Company, Newark, N. J.; Roman J. Irwin, New York; Basket Novelty Company, New York; Foley Manufacturing Co., Chicago; C. E. Falls Service Co., Kansas City, Mo.

EXHIBITORS IN THE CONVENTION GARDEN.

Vaughan's Seed Store, New York-Chicago; W. A. Manda, South Orange, N. J.; Bobbink & Atkins, Rutherford, N. J.; A. N. Pierson, Inc., Cromwell, Conn.; Conard & Jones Co., West Grove, Pa.; Henry A. Dreer, Inc., Philadelphia; John Lewis Childs, Flowerfield, L. I.; Arthur T. Bodding, Inc., New York; Arthur Cowee, Berlin, N. Y.; B. Hammond Tracy, Wenham, Mass.; William Tricker, Arlington, N. J.; Thomas Meehan's Sons, Philadelphia; A. L. Miller, Jamaica, N. Y.; H. Vincent, Jr. & Sons Co., White Marsh, Md.; Raymond W. Swett, Saxtonville, Mass.

JOHN YOUNG, Secy.

July 14th, 1917.

Chicago to New York.

The New York Central railroad has been chosen for the trip of the Chicago Florists' Club members and friends to the annual convention of the Society of American Florists to be held at New York, Tuesday, Wednesday, Thursday and Friday, August 21-24, leaving the LaSalle street station, Sunday, August 19, at 11.45 p. m., due New York, Tuesday, August 21, at 5.05 a. m. Sleepers may be occupied to 7.00 a. m. The round trip fare is \$35, tickets good 30 days; lower Pullman berths \$5, upper berths, \$4, each way.

The return trip may be made by steamer, New York to Albany, on the Hudson river, with a 10-day stopover at Niagara Falls.

Returning from New York by way of Philadelphia and Washington on the Pennsylvania railroad the fare is \$38, tickets good 60 days.

Returning from New York by way of Baltimore and Washington on the Baltimore & Ohio railroad the fare is \$36.20, tickets good 60 days.

Returning from New York via boat to Norfolk and Washington, and Baltimore & Ohio, Chesapeake & Ohio or Pennsylvania railroad to Chicago, the fare is \$38, tickets good 60 days.

Other return trips may be arranged to suit members of the party at similar summer rates.

Delegations from the north, south and west are invited to join the party at Chicago.

The traffic eastward is very heavy at this time of year and reservations should be made early.

For reservations and all further particulars address O. W. Crapser, City Ticket Agent, 100 South Clark street, Chicago. Telephone Randolph 5300.

MICHAEL BARBER,
Chairman Transportation Committee.

CLUBS AND SOCIETIES

AMERICAN ROSE SOCIETY.

The officers of the American Rose Society whose terms begin with the first of July, 1917, are:

President, Benjamin Hammond, Beacon, N. Y.; vice-president, William L. Rock, Kansas City, Mo.; secretary, Prof. E. A. White, Ithaca, N. Y.; treasurer, Harry O. May, Summit, N. J. Executive Committee: Wallace R. Pierson, Cromwell, Conn.; Robt. Simpson, Clifton, N. J.; John H. Dunlop, Richmond Hill, Ont., Can., terms expire 1918; E. Allan Pierce, Waltham, Mass.; Robt. Pyle, West Grove, Pa.; W. L. Kiemel, Elmhurst, Ill., terms expire 1919; Jesse A. Currey, Portland Heights, Ore.; Geo. C. Thomas, Chestnut Hill, Philadelphia, Pa., terms expire 1920. Admiral Aaron Ward, Roslyn, N. Y., owing to other duties resigned. Ex-Officio Members: Lewis J. Reuter, Westerly, R. I.; S. S. Pennock, Philadelphia, Pa. Honorary Vice-Presidents: E. S. Mills, D. D., Syracuse, N. Y.; J. Horace McFarland, Harrisburg, Pa.; Dr. Robt. Huey, Philadelphia, Pa.; Major E. A. McKendrick, 105 Bay street, Toronto, Ont., Can.

A meeting of the Society will be held at the Convention of the Society of American Florists in New York City in August next. The American Rose Society will be in charge of the rose exhibits at the Cleveland Flower Show in November. The next annual meeting and exhibition will be at the National Flower Show of the Society of American Florists, to be held in St. Louis, Mo., April 1918.

At the annual meeting held in Philadelphia, March 1917, carrying out the resolution offered in the convention of 1916, to increase the executive committee from 6 to 9 members, the committee was so enlarged. We hope to have a good gathering of members at the August meeting.

BENJAMIN HAMMOND.

Beacon, N. Y.

HOLYOKE AND NORTHAMPTON FLORISTS' AND GARDENERS' CLUB.

The regular meeting was held July 10th at Smith College Botanic Garden, Northampton. The hardy perennial garden was an attractive feature, there being nearly one hundred kinds in flower. D. J. Gallivan read a paper on Table Decoration, which was well received. The only exhibit was well grown Japanese Iris in variety from Gallivan Bros.

H. E. D.

NASSAU COUNTY HORTICULTURAL SOCIETY.

Exhibits and awards at the monthly meeting of this society held in Pembroke Hall, Glen Cove, on July 11, were as follows: Sweet Peas White, 1st, Thos. Twigg; Pink, 1st Thos. Twigg; any other color, 1st Thos. Twigg; Delphinium, hon. mention to Thos. Twigg; Cucumbers, thanks of society to Joe Mastroianni. Mr. Twigg

upon request gave a short talk on his method of sweet pea culture. A donation was received from C. F. Cartledge and Wm. Noonan for the Red Cross. Robert Johnson, representing R. & J. Farquhar & Co., of Boston, was present and made a few remarks. Exhibits for the next meeting, Wed., Aug. 8, are: 12 mixed Gladioli, 12 potatoes and ears of corn.

HARRY GOODBAND, Cor. Secy.

AMERICAN ASSOCIATION OF NURSERYMEN.

The Executive Committee of the American Association of Nurserymen, at a meeting following the Philadelphia Convention, elected Curtis Nye Smith, of Boston, Mass., secretary and counsel of the association for the following year. Appointed Wm. Warner Harper as the representative of the association to confer with Mr. Herbert Hoover in regard to the plan how the nurserymen may assist in food production. Selected Chicago for the next annual convention on June 26-28, 1918.

CURTIS NYE SMITH, Secy.

ST. LOUIS FLORISTS' PUBLICITY PARADE.

All florists of St. Louis and vicinity are invited to meet with the Florist Club Publicity Committee on Tuesday evening, to make final arrangements for a monster floral parade the day of our annual picnic, Thursday, July 26, 1917.

Meeting to be held at Windler's wholesale house, 1310 Pine street, Tuesday evening, July 10, at 8 o'clock.

(Signed) F. C. Weber, Jr., Paul Reden, W. J. Pilcher, Geo. B. Windler, W. C. Smith—St. Louis Florist Club Publicity Committee.

NATIONAL DAHLIA EXHIBITION.

The exhibition of the American Dahlia Society is scheduled for Sept. 25 to 27, 1917. It will be held this year in conjunction with the annual Dahlia Show of the American Institute at the Engineering Building, W. 39th street, New York City. Prize schedules are ready and copies may be had on application to W. A. Eagleson, Secretary Board of Managers of the American Institute, or J. Harrison Dick, Secretary American Dahlia Society, 1426 73rd street, Brooklyn, N. Y. There are some very attractive special prizes offered.

FLORISTS' CLUB OF PHILADELPHIA.

Horticultural Hall is sold, therefore the Florists' Club has to vacate its club room.

The officers of the club gave a farewell smoker in the club rooms on Thursday, July 19, 1917, from 8 to 12 p. m. All living ex-presidents, and all members who had been active in past years, were requested to be present at this farewell night.

All members having private property in the club room are notified to remove the same by July 24, 1917.

CLUB AND SOCIETY NOTES.

The thirty-first annual convention of the Association of American Cemetery Superintendents will be held at Barre, Vt., August 28, 29, 30 and 31. W. B. Jones, Highwood cemetery, Pittsburgh, Pa., is secretary.

Andover, Mass.—The annual exhibition of the Florists' and Gardeners' Society will be held in the Town Hall as usual, but the date has been put back one week in order to allow the farm products a better chance. Friday and Saturday, September 14 and 15, are the days.

The annual Convention of the Canadian Horticultural Association will be held in Montreal, Aug. 7-8-9, 1917, in Synod Hall, 461 University street. For space in the Trade Exhibit apply to George A. Robinson, superintendent, Room 622, Transportation Bldg., Montreal, Que.

The annual exhibition and flower show of the Monmouth County Horticultural Society was held last Tuesday at St. James' R. C. Hall, Red Bank, N. J., and the profits were turned over to the Red Cross Society. Instead of cash and medals, ribbons with the national colors were given as prizes.

The Illinois State Florists' Association has decided to hold their Fall Meeting in Galesburg, Ill., at the Armory, Nov. 6-7. President Pillsbury writes that they expect to make it a big Flower Show and intend to interest the boys and girls in growing chrysanthemum plants. They are giving them plants and offering premiums.

The fall meeting and flower show of the Illinois State Florists' Association will be held in Galesburg, Ill., at the Armory, November 6th and 7th, 1917. Premiums will be given for well grown plants of chrysanthemums, especially those grown by boys and girls, and each one exhibiting a plant will be given a free ticket to the flower show.

LILY BULB PROSPECTS IN BERMUDA.

(Consul Carl R. Loop, Hamilton, June 20.)

According to a special report furnished by the Director of Agriculture of Bermuda, the acreage under lily bulb cultivation is probably a little larger this year than last. It appears that on account of the dullness of the market last season a number of the growers were not able to dispose of all their bulbs, which have been used for replanting this year. The fields of careful growers appears to be in good condition, and if there is sufficient rainfall between now and the time of gathering the bulbs, the crop should be above the average of recent years, and equal, perhaps, to the good crop of last year.

A VISIT AT THE BRAND NURSERY.

Mr. Brand has probably the largest peony propagating grounds in the world. He is very patient and exacting. Out of about half a million seedlings he has put only twenty-five on the market. They must have about ten years' fair trial before they can be received among the elect. Every peony grower knows the tricky nature of some peonies. They make promises they never fulfil. The grower must find out whether they are honest or not.

The Brand peonies are renowned for their vigor and robustness. I wanted to find out the cause. Brand uses no manure. His ground is a rich loam and he never plants twice on the same ground. Having about 200 acres he can take his pick. He was tearing up an old orchard to plant this fall. The last fall's planting were blooming vigorously this summer. He challenges the world with his Martha Bullack. It is a late bloomer and there were no good specimens when I was there. But in the reds I think he can challenge the world and win. Careful, patient and conscientious he does not let anything go out he is not sure of.

The last introduction after ten years' trial is Faribault—named from his city. He had two rows of this variety. They were of immense size and dazzling beauty. When you can get a plant of such great vigor and eager to bloom on the least provocation you may venture on it as a safe investment.

Here I spent one of the most delightful days of my life. Mrs. Brand is a very charming, intelligent and genial woman and though I had never seen her before I was perfectly at home in ten minutes and treated as though I had been a long lost brother.

C. S. HARRISON.

IOWA AUTUMN FLOWER SHOW.

Plans are going forward for the big Autumn Flower Show, which the florists of Iowa are to hold in Des Moines in November. Everything looks bright for a successful show, which will attract entries not only from the Iowa florists but from florists in the neighboring states. Some 85 classes have been listed and additional special classes are being provided. Among the cut flowers, Section A, calls for 20 classes of chrysanthemums; Section B, 13 classes of roses; Section C, 10 classes of carnations; Section D, provides for miscellaneous cut flowers. Among the plants, Section E, calls for 13 classes of chrysanthemums; Section F, 5 classes of flowering plants, and Section G, 11 classes of foliage plants. Floral art exhibits are provided for in Section H, which calls for decorated baskets, vase arrangements, table decorations, bouquets and corsages. Other classes call for miscellaneous exhibits such as nursery stock, ornamentals, orchids, etc.

A liberal premium list is being arranged for. About \$2,500 will be awarded as prizes. A number of people in the trade have expressed an interest in this effort of the Iowa flor-

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ists and have responded by offering premiums. The show will be held in the Auditorium at Des Moines, opening Nov. 6 and continuing through the 7th, 8th, 9th and 10th. The preliminary schedules will be ready for distribution about Aug. 1. Applications for the same should be addressed to J. S. Wilson, Des Moines, Iowa, General Manager.

TREES, SHRUBS, VINES and HERBACEOUS PERENNIALS

By JOHN KIRKEGAARD

Formerly Assistant to Director of the Royal Botanical Gardens, Copenhagen, Denmark. Latterly Twenty Years in American Forestry and Botanical Work.

Assisted by DR. H. T. FERNALD, Professor of Entomology Massachusetts Agricultural College and Entomologist, Massachusetts Agricultural Experiment Station,

and PROF. E. A. WHITE,

Professor of Floriculture, New York State College of Agriculture at Cornell University.

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HARTFORD ROSE GARDEN.

A veritable fairyland of beauty, showing the queen of flowers in a worthy setting, the rose garden at Elizabeth park is now at the height of its glory. The late season delayed this annual event, which brings visitors to Hartford from many distant points, but the garden has never been lovelier than it is now. Its vistas of lovely color seen through the rambler-covered arches and beyond the rose-covered trellis walls, form an enchanting sight from a distance, but closer inspection shows the high degree of perfection to which every phase of rose cultivation has been brought. The garden will delight every lover of roses, and it will convert those who have regarded them indifferently, if such people exist.

As a beautiful spectacle, inspiring as any work of art the rose garden is unrivalled. Every rose worth while is represented in Elizabeth park and not to visit them now when they are in their glory is to lose a very real pleasure and to neglect a valuable opportunity.

Throughout the past week motorists and pedestrians by the hundred have been making pilgrimages to the rose garden. Some bring note books and record the names and points of the varieties that appeal to them. Others simply wander about this exquisite corner of the beautiful park, enjoying the wonderful sight that can be seen at its best only once a year. Outside the boundaries of this noted spot there are effective beds of perennials arranged in the English border style, and the dazzling color and interesting assortment of these flowers receives attention after the roses have been given their share of admiration.

A MOVEMENT FOR BETTER EXPRESS SERVICE.

During exhibition week last winter the Legislative Committee of the Society of A. F. and O. H., joined with me in the effort to secure better shipping conditions from the express companies. We had a meeting at that time with three vice-presidents of the express companies, for which meeting I had arranged previously, and the gentlemen, after an hour's discussion, decided to look into our complaints and try to assist us as much as possible to secure better service.

Flowers Highly Perishable

IMPORTANT NOTICE

EXPRESS AGENT:

If immediate delivery of this package cannot be effected, communicate with consignee by telephone or otherwise, advising of arrival of shipment and say why immediate delivery cannot be made. Your assistance in expediting delivery will be appreciated.

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E. M. WILLIAMS, Vice-President
Adams Express Company
D. S. ELLIOTT, Vice-President
American Express Company
F. S. HOLBROOK, Vice-President
Wells Fargo Express Company

Since that time, after several consultations with these gentlemen, I succeeded in securing a label, copy of which appears herewith. This label is good for plant or flower shipping, and will be sent throughout the country to be placed on the bulletin boards of the different express companies, and in this way is made an official label.

The cost of the label is \$1.50 per thousand, and anyone desiring to secure some such should write to me, enclosing additional cost of postage, as the price is net to us. They can be secured in lots of 500 or 1000, any way anyone wants to buy.

This is not the only privilege I secured. We florists offered to the express companies that we would gladly pay an additional cost securing quick service, including telephone calls

which this quick service at times necessitates but the express companies cannot go into this matter on that basis. The Interstate Commerce Commission does not allow them to change rates even with our consent, and their it a rule to lay out expenses for a shipper and to collect that money, because to collect these small items they would have to go through the same routine as if they shipped a package, and in consequence the collection would cost them the same as it would cost to express a package and would necessitate too much additional book-keeping. Therefore, they decided to carry the cost of the additional telephone calls wherever necessary.

I am willing to keep on working on this, and I hope within a short time to secure a way which will insure us against any possible loss. I will bring the subject before the interested parties during convention week in New York, and therefore, would like very much that any parties interested should write or call and arrange for a meeting on express matters in New York during convention week. The best plan would be for the florists in the different states, or the different florists' associations to each elect a delegate who would call on me and work in conjunction. The influence of one alone never can secure as much as a body of men, each one willing to do a little work, and I am sure that if we keep on working in this direction we shall be able to do some good to ourselves and to others in our business. MAX SCHLING.

22 W. 59th St., New York.

IOWA STATE COLLEGE.

It has been a busy spring at the Iowa State College. Several changes and improvements have taken place as well as an extension of operations. A herbaceous perennial garden has been started this spring and is now coming along nicely. It is laid out in beds, there being 18 beds, 12 feet wide and 50 feet long, separated by wide grass paths. There are over 300 species and varieties included in this garden collection. The garden is located in a conspicuous place adjacent to two roads, and later on after things have become well established it will be quite showy. The purpose of this garden is two-fold, educational and experimental. By growing this great variety of herbaceous perennials students and interested visitors will have an opportunity to become acquainted with a number of our fine, hardy garden flowers and note their respective merits. The garden will also serve as a means for determining the relative hardiness of the various genera and species here in Iowa.

Some eight acres of ground have been devoted to the extensive growing of vegetables. A portion of this area has recently been equipped with an irrigation system.

The college has some fine specimen chrysanthemum plants coming along for the Des Moines Autumn Flower Show. A two-year-old Musa Cavendishii which is now fruiting in the college conservatories has attracted much attention from visitors.

Professor A. S. Thurston is in charge of both the floricultural and truck crop work at the Iowa State College.



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For mildew, rust and other blights affecting flowers, fruits and vegetables.
Quart, \$1.00; Gallon, \$3.50.

VERMINE

For eel worms, angle worms and other worms working in the soil.
Quart, \$1.00; Gallon, \$3.50.

SOLD BY DEALERS.

Aphine Manufacturing Co.
MADISON, N. J.



Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c.; Pint, 40c.; Quart, 75c.; 1/2 Gallon, \$1.25; Gallon, \$3; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50. Directions on package.

LEMON OIL COMPANY

Dept. S. 420 W. Lexington St., Baltimore, Md.

USE WIZARD BRAND

TRADE MARK

CONCENTRATED PULVERIZED MANURE

Pulverized or Shredded
Cattle Manure
Pulverized
Sheep Manure

The Florist's standard of uniform high quality for over ten years. Specify: **WIZARD BRAND** in your Supply House order, or write us direct for prices and freight rates.

THE PULVERIZED MANURE CO.
34 Union Stock Yard, Chicago

IMP. SOAP SPRAY

Quarts, 55c. Gallons, \$1.65
Fives, \$6.50

Try with 24 parts water. Often effective weaker.

Ask your dealer or write

EASTERN CHEMICAL CO.
BOSTON, MASS.



NIKOTEEN
For Spraying
APHIS PUNK
For Fumigating
Ask Your Dealer For It
NICOTINE MFG. CO.
ST. LOUIS

SEED TRADE

REORGANIZATION OF W. ATLEE BURPEE & CO.

Recent changes in the organization of W. Atlee Burpee & Co., are naturally of much interest to the many friends of that house and David Burpee as General Manager has kindly furnished the following facts for HORTICULTURE. Mr. Burpee writes thus:

Everybody knows of the great difficulties the seed trade has been under for the past year or two. First, it has been next to impossible to get many seeds in from Europe, and then the demand for seeds has increased in many cases more than a hundred per cent.

For nearly three months last winter we worked day and night, but even with this twenty-four hours a day service we were unable to get orders out with our usual record of promptness. In regard to the shortage in seeds, of course, we are doing all we can to grow more in this country. But in many cases the seeds that formerly were imported from Europe were those of root crops and other biennials of which, of course, it takes two years to produce the seed.

It is unnecessary for me to tell you how difficult the labor situation has been. Because of the great number of munition factories in this section, I believe man power is more scarce in Philadelphia than in most any other well settled section of the country.

These changed conditions having come after my father's death made it necessary for us to almost completely reorganize. Especially was this so as our cashier, A. Eldridge Brown, died only a few months after my father. When we lost Mr. Brown my brother stepped in and took full charge of the cashier's department. He has continued in that position and now is acting treasurer. Our Mr. Bougy, of course, has continued in charge of the bookkeeping department and W. F. Therkildson as advertising manager. Howard M. Earl is well known in the seed trade because of his activity with us for nearly thirty years. For a number of years he has been in close touch with the producing end of our business and has been also acting as superintendent of our buildings and warehouses.

Because of the increased volume of business and the more difficult conditions under which we now operate, we have thought best to divide these responsibilities. Mr. Earl, because of his long years of experience has been made Production Manager and is now directly responsible for the economic management of all our farms; the placing of contracts; the purchase of stock from reliable sources; the inspection of crops and the conduct of trials both to prove the viability and pureness to type of everything sold by W. Atlee Burpee & Co. In this connection George W. Kerr co-operates as Superintendent of the Trial Grounds and as Sweet Pea Expert. W. Scott Carroll is now Superintendent and has charge of all our operating departments including the storage and han-

dling of all seed after it reaches the Philadelphia warehouses.

So our organization stands today with myself as Active Executor and General Manager; W. Atlee Burpee, Jr., Acting Treasurer; Howard M. Earl, Production Manager; W. F. Therkildson, Advertising Manager; W. Scott Carroll, Superintendent.

Notes.

New York, N. Y.—Henry W. Doughten has taken over the business of Jacot & Mullen, and the office has been moved to 59 Pearl street.

The Maryland Agricultural Experiment Station has just sent out Bulletin No. 204, by T. H. White, being a record in detail of Variety Tests of Potatoes, Tomatoes, Cabbage and other vegetables. This bulletin contains the unpublished notes and records of vegetables that have been tested at this station in the past ten years. They should be useful to vegetable growers who have not had experience with varieties and who can use them as a guide when consulting seedsmen's catalogues. The testing of varieties is an important part of the Experiment Station's work. New, or so-called new varieties are constantly appearing. Some are advertised very extensively as being so much better than any other in the market. It is the aim of the Experiment Stations to verify in an unprejudiced way the claims made for new varieties. Considerable attention has also been given to the testing of different seedsmen's strains of the same variety.

NEW CORPORATIONS.

Chicago, Ill.—Everette R. Peacocke Company, growers and dealers in seeds, plants and bulbs; capital stock, \$100,000.

Sweetwater, Tex.—Sweetwater Seed & Grain Co.; capital stock, \$25,000. Incorporators, Lee Judd, J. P. Bishop and Max Newman.

Jacs Smits, of Naarden, Holland, will make his customary visit to this country and is expected to arrive in New York about the end of July or early August.

MICHELL'S NEW CROP PANSY SEED

MICHELL'S GIANT EXHIBITION MINED

A giant strain which for size of bloom, heavy texture and varied colors and shades cannot be surpassed. Half tr. pkt. 30c; tr. pkt. 50c; 1 lb. oz., \$1.00; oz., \$2.00.

GIANT SORTS IN SEPARATE COLORS

	Tr. pkt.	Oz.
Azure Blue	40	\$2.25
Black Blue	40	2.25
Emperor William, blue	40	2.25
Hortensia Red	40	2.50
King of the Blacks	40	2.25
Lord Beaconsfield, purple		
Violet	40	2.25
Peacock, blue, claret and white	40	3.00
Snow Queen, pure white	40	2.25
Striped and Mottled	40	2.25
White with Eye	40	2.25
Pure Yellow	40	2.25
Yellow with Eye	40	2.25

Also all other seasonable Seeds, Bulbs and Supplies.

Send for Wholesale Catalogue.

MICHELL'S SEED HOUSE

518 Market St., Philadelphia

CANES

Measuring from 6 to 8 feet. Can cut to any size

\$1.50 PER 100

WM. ELLIOTT & SONS

42 Vesey St., New York

Arthur T. Boddington Co., Inc.

SEEDSMEN

128 Chambers St., New York City



SEEDS BULBS FERTILIZERS SUNDRIES

YOU ought to have our retail and Florists' Special List. If you have not, write for one.

FOTTLER, FISKE, RAWSON CO., THE SEED STORE BOSTON
Faneuil Hall Square

"Seeds with a Lineage" All Varieties
Thoroughly tested at our trial grounds, Raynes
Park, London, England. Send for Catalogue

CARTERS TESTED SEEDS, Inc., 166 Chamber of
Commerce Bldg., Boston, Mass.

Lilium Harrisii
Roman Hyacinths
Paper White Narcissus
Special Prices on Application

J. M. THORBURN & CO.
 53 Barclay Street
 NEW YORK

KELWAY & SON

SPECIALIZE IN

SEEDS

(personally selected strains)
WHOLESALE ONLY

Write for Special Prices, Spot or
 Forward
 Only Address, LANGPORT, Eng.

LET US QUOTE YOU PRICES
"A B C BRAND"

Lilium Giganteum Rubrum
Album Auratum

AMERICAN BULB CO.
 172 No. Wabash Ave., - - Chicago

J. BOLGIANO & SON
Careful Seed Growers For
99 Years

Send for Our 1917 Wholesale Prices
 To Florists and Market Gardeners
BALTIMORE, MD.

READY NOW

Keystone Snapdragon Seed. Winter Bloom-
 ing. \$1.00 per pkt., 6 pkts for \$5.00.
 Pansy Seed. Finest Florists' Mixture.
 \$6.00 per ounce.
 Mignonette. Giant Greenhouse Grown.
 \$8.00 per ounce.
 When we say we can please you, we mean
 just what we say.

S. S. SKIDELSKY & CO.
 1004 Lincoln Bldg. Philadelphia, Pa.

MY WINTER-ORCHID-FLOWERING
SWEET PEA

Price list has been mailed. It contains
 many splendid Novelties. If you have not
 received a copy send postal for.

ANT. C. ZVOLANEK
 Sweet Pea Ranch Lompoc, Cal.

ROBERT DYSART
CERTIFIED PUBLIC ACCOUNTANT

Simple methods of correct accounting
 especially adapted for florists' use.

BOOKS BALANCED AND ADJUSTED.
40 STATE ST. - - - BOSTON
 Telephone Main 58.

FARQUHAR'S GOLD MEDAL CYCLAMEN



GIANT CRIMSON
 Pink Salmon White

EXCELSIOR
 White with claret base

\$12.50 per 100
\$120.00 per 1000

R. & J. FARQUHAR & CO., Boston, Mass.

LEONARD'S SEEDS and SEED SERVICE

FOR SALE BY

LEONARD SEED COMPANY, Chicago, Ill.

LILIUM GIGANTEUM

NEW CROP NOW READY.

	Per	Per
	100	1000
7 to 9 in. (300 bulbs to case)...	\$5.50	\$50.00
8 to 9 in. (250 bulbs to case)...	7.00	65.00
8 to 10 in. (225 bulbs to case)...	9.00	80.00
9 to 10 in. (200 bulbs to case)...	10.00	95.00

A. HENDERSON & CO.

211 N. State St., Chicago.

Burpee's Seeds

PHILADELPHIA

BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT

THOMAS J. GREY COMPANY
 SEEDS, BULBS AND IMPLEMENTS
 WHOLESALE AND RETAIL.

Reselected Strains in Seeds.
 Improved styles in Implements.
 Catalogue upon application.

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BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

ROMAN J. IRWIN
 108 West 28th St., NEW YORK

SPECIAL OFFER

LILIUM FORMOSUM

8/11, 225 to a case.....	\$80.00 per 1000
9/10, 200 to a case.....	85.00 per 1000
11/13, 100 to a case.....	15.00 per case
LILIUM FORMOSUM—Black Stem	
8/10, 200 to a case.....	\$80.00 per 1000
9/10, 180 to a case.....	90.00 per 1000
11/13, 100 to a case.....	16.00 per case

Write for Complete Stock Circular.
SATISFACTION GUARANTEED.

ORDER NOW

LILIUM GIGANTEUM
LILIUM FORMOSUM
LILIUM HARRISII

French bulbs and Dutch bulbs.

JOSEPH BRECK & SONS' CORP.
 47-54 North Market St., Boston, Mass.

W. E. MARSHALL & CO.
SEEDS, PLANTS AND BULBS
Horticultural Sundries

166 W. 23rd St., NEW YORK

GARDEN SEED

BET, CARROT, PARSNIP, RADISH and
 GARDEN PEA SEED in variety; also other
 items of the short crop of this past season,
 as well as a full line of Garden Seeds, will
 be quoted you upon application to

S. D. WOODRUFF & SONS
 82 Dey St., NEW YORK and ORANGE, CONN.

ALEX. McCONNELL611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Out of Calling, Foreign Deliveries
Must be prepaid*

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.



"The Telegraph Florist"

Member of Florists' Telegraph Delivery

124 TREMONT ST.
BOSTON

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KANSAS CITY

Transfer Your Orders to

SAMUEL MURRAY

1017 Grand Avenue

Members Florists' Telegraph Delivery

H. KUSIK & CO.

LARGEST SHIPPERS OF FRESH CUT
FLOWERS AT KANSAS CITY

Florists' Supplies
Manufacturers of Wire Designs

1018 McGee St. **KANSAS CITY, MO.**

Established 1874

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FLORIST

N. E. Cor. 44 St. & Madison Avenue, N. Y. City
(Member Florists' Telegraph Delivery Asso.)

Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address. Dardsflor.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

New York City

Write or Telegraph

2139-2141 Broadway, - New York
Telephone 1888-1888 Columbia

Write or Phone

F. H. WEBER'S

Modern Flower Shop for
Artistic and Special Work

N. E. Corner of Taylor and Olive

ST. LOUIS, MO.

M. F. T. D.

Of Interest to Retail Florists

NEW FLOWER STORES.

Peoria, Ill.—C. Loveridge, removing to Main street.

New York, N. Y. J. Hughes & Co., 200 W. 96th street.

Highland Park, Ill.—Fritz Bahr, removing to St. John's avenue, Hawkins Building.

St. Louis, Mo.—Young Bros., removing to DeBalweir and DeGiverville avenues.

NEWS NOTES.

Ripon, Wis.—Brown Bros. have purchased the greenhouse range of H. L. Clapp.

Riverside, Ill.—The National Grove Greenhouses have been leased for five years by Martin H. Radke, of Maywood.

Hudson, N. Y.—Close to \$275 was netted for the Red Cross as a result of the recent flower show at the Catskill armory.

Hartford Conn.—That the popularity of Rose Sunday at Elizabeth Park was not lessened this year by the fact that it did not arrive until July, was evidenced on July 8 when 4,080 automobiles and people estimated at between 25,000 and 30,000 visited the famous collection of roses.

Wilmington, Del. — Mayor Lawson has approved and signed the resolution formulated for the regulation of the city's curb markets, as provided for by the recent act of the legislature. The resolution recognizes King and Market streets as the farmers' and truckers' curbstone markets and provides for similar markets for hucksters, wholesalers, fish dealers and flower dealers upon other streets.

Greenfield, Mass.—Burt, the florist, has announced that he has purchased four greenhouses of E. M. Todd on Harrison avenue and will move them to his place at West Deerfield. He plans to further enlarge his West Deerfield plant by moving his three greenhouses now at Shelburne Falls there, making an outfit of twelve in all, the present unit consisting of five houses. The increase in capacity is made with a view to cultivating roses, a flower not now professionally grown nearer than Hadley.

DANKER
Albany, N. Y.

Not how Cheap
But how Good

Member F. T. D.

Providence, Rhode Island

Johnston Brothers

LEADING FLORISTS

38 Dorrance Street

Member Florists' Telegraph Delivery

JOHN BREITMEYER'S SONS

Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

Artistic Designs . . .
High Grade Cut Blooms

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.



GUDE BROS. CO.
WASHINGTON, D. C.

Member Florists Telegraph Delivery

Orders for NEW YORK.
Write or Phone to

MAX SCHLING

22 West 59th St.

Adjoining Plaza Hotel

Best Florists in the States as
References.

EUROPEAN ORDERS EXECUTED

Members of the Florists'
Telegraph Delivery.

THE ROSERY

23 STEUBEN ST.

ALBANY, N. Y.

FLOWER DELIVERIES FOR ALBANY
AND VICINITY

Members Florists' Telegraph Delivery

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

YOUNG & NUGENT

42 West 28 Street

New York

Members Florists' Telegraph Delivery

A. T. BUNYARD

NEWPORT, R. I., 145 Bellevue Ave.

Also 413 Madison Ave. at 48th St.
NEW YORK

I GUARANTEE SATISFACTION
MEMBER F. T. D. A.

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

THOS. F. GALVIN
INC.
NEW YORK 561 Fifth Ave.
Vanderbilt Hotel
BOSTON 1 Park Street
799 Boylston Street
Deliveries to Steamers and all Eastern Ports

CLEVELAND
A. GRAHAM & SON
5523 Euclid Ave.
Will take good care of your orders
Members of F. T. D. Association.

Orders Filled Day or Night for
CLEVELAND
and State of Ohio
Complete Stock. Regular discount to Trade.
KNOBLE BROS.
1896 W. 25th St., Cleveland, O.
Members Florists' Telegraph Delivery Ass'n.

THE SMITH & FETTERS CO.
735 Euclid Avenue
CLEVELAND, OHIO
Flowers of Every Kind in Season

HESS & SWOBODA
FLORISTS
Telephones 1501 and L 1532.
1415 Farnum St.,
OMAHA, NEB.

Rochester, N. Y.
J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.
Rochester Phone 506. Long Dist. Bell Phone 312.
Members Florists Telegraph Delivery

S. A. ANDERSON
440 Main St., Buffalo, N. Y.
ANDERSON service means fresh, sturdy
Stock and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK
Members of Florists' Telegraph Delivery.

HIGH GRADE PLANTS
For Retail Stores a Specialty
ASK FOR LIST
THOMAS ROLAND, Nahant, Mass.
WORCESTER, MASS.
Randall's Flower Shop
HARRY L. RANDALL, Proprietor.
Mention Florists' Telegraph Association

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—H. G. Eyres, 106 State St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn the Florist, 124 Tremont St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.
Cleveland, O.—Adam Graham & Sons, 5523 Euclid Ave.
Cleveland, O.—Knoble Bros., 1836 W. 25th St.
Cleveland, O.—The Smith & Fetters Co., 735 Euclid Ave.
Denver, Col.—Park Floral Co., 1643 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, corner Broadway and Gratiot Ave.
Houston, Tex.—Kerr, The Florist.
Kansas City, Mo.—Samuel Murray, 1017 Grand Ave.
Los Angeles, Calif.—Howard & Smith, 853 So. Olive St.
New London, Conn.—Reuter's.
Newport, R. I.—A. T. Bunyard, 145 Bellevue Ave.
New York—J. H. Small & Sons, 505 Madison Ave., at 52d St.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—A. T. Bunyard, 413 Madison Ave., at 48th St.
New York—Dards, N. E. corner 44th St. and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth Ave.
New York—Thos. F. Galvin, Fifth Ave., at 46th St.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28 Olive St.
St. Louis, Mo.—F. H. Weber's, N. E. corner of Taylor and Olive Sts.
St. Paul, Minn.—Holm & Olson, Inc.
Tarrytown-on-Hudson, N. Y.—F. R. Pier-son Co.
Toronto, Can.—J. H. Dunlop, 8-10 West Adelaide St.
Washington, D. C.—Gude Bros., 1214 F St.
Washington, D. C.—George H. Cooke, Connecticut Ave. and L St.
Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop, 22 Pearl St.

Send Telegraph, Telephone or Mail orders
for florist service in this vicinity to

Howard & Smith
853 SO. OLIVE ST.
Los Angeles, Calif.

Every Order sure to receive
prompt and careful attention.

REUTER'S Members Florists Telegraph Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between
New Haven and Providence

ST. LOUIS, MO.

FRED C. WEBER
4326-28 Olive St.

Member Florists Telegraph Delivery Association
NOTICE INITIALS. We have one store only

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegram order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
8-10 West Adelaide St. - TORONTO, ONT.
ALBANY, N. Y.

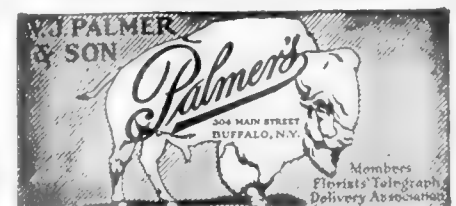
EYRES
Flowers or Design Work
DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER
106 STATE STREET, ALBANY, N. Y.

"THE HOME OF FLOWERS"
The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

The Park Floral Co.
J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.
DENVER, COLORADO



KERR ORDERS FOR TEXAS
HOUSTON, TEXAS
The Florist Member F. T. D. Association

NEWS ITEMS FROM EVERYWHERE

CHICAGO.

E. C. Flohr of Denver, Colo., is visiting Chicago on his way home from a trip to the East.

Wm. Dilger, former superintendent of parks in Detroit, is in Chicago superintending the building of an Italian garden at 357 Fullerton Parkway.

Mrs. Philip Schupp left today for their summer cottage at William's Bay, Wisconsin, where she will remain for some time. Priscilla, daughter of Mr. and Mrs. Philip Schupp, left for a visit in Denver, Colo., last week.

J. E. Pollworth, secretary of the Kennicott Bros. Co., has returned from a two weeks' trip. He called upon the large growers outside of Chicago during the first part of his vacation, but devoted the latter part to the good fishing found in Wisconsin.

Andrew McAdams, for many years a leading south side florist, at 53rd street and Kimbark avenue, is renewing old acquaintances after a residence of two years in Florida. Mr. McAdams sold his Chicago store to Wm. La Grotta and went to California, later moving to Florida.

Mr. Grant, owner of the Warren Park Floral Co., of Roseville, O., is in the city trying to interest the large growers in the purchase of a soft coal mine, estimated to contain one million tons. The property is valued at \$50,000 and another \$25,000 will be needed for operating. The freight per ton to Chicago will be \$1.55 and mining will be \$1.00, making the coal \$2.55 per ton here. The purchase of a mine has been considered in Chicago before as a possible solution to the florists' coal troubles, but so far the scheme has not met with the approval of a sufficient number of backers to warrant its undertaking.

A. C. Anderson, of Missoula, Montana, accompanied by his thirteen-year-old son, Fred, are in Chicago on their way home. They have been out five weeks visiting the various plant and cut flower establishments in Eastern cities. Mr. Anderson expressed himself as much pleased with what he had seen, expressed no fear as to the effect of the war on the florists' business, but on the contrary, thought by throwing the trade more on its own resources in cutting off imports, it was stimulating us to greater activity. He paid a handsome compliment to the supply department of Poehlmann Bros., which he declared to be the finest one he had seen.

ALBANY, N. Y.

Ed. Tracey left on Saturday last by motor for a two weeks' vacation in the Lake George country.

F. A. Danker is replacing an old house with a large, modern structure 20x100, and is also installing one of the new Lord & Burnham tubular boilers.

ROCHESTER.

The Rochester Florists' Association and Lady Florists realized for the Red Cross \$176.75 from the peony show. H. B. E.

Frank Peartree and Leo Mahoney, both of Geo. T. Boucher's store are away on vacation. Mr. and Mrs. Boucher and family have left on an automobile trip to Chicago, going from Buffalo to Cleveland by boat.

Miss Helen Bishop and Arthur Colbert of J. B. Keller's force are on their vacation. Mrs. Keyes, of H. P. Neun Co., is spending her vacation in Detroit. Miss Tessie Whitman, of H. E. Wilson's, is spending a month at Sodus Bay.

Word has been received from Dewey Lester, now stationed at Brownville, Texas, with Company F, Engineer Corps, that he took part in the 4th of July celebration in a 50 to 100 yard dash and also relay race winning prizes for same. He has been nicknamed The Kid of the Camp, being the youngest of a regiment of 1,000 soldiers.

WASHINGTON, D. C.

George Gouldman, of the Louise flower shop is spending his vacation at his old home in Fredericksburg, Va.

Miss Minnie E. Shea, cashier for the S. S. Pennock Co., has gone to her home in Springfield, Mass., on her annual vacation.

The Leo Niessen Company has been offering a fine lot of rubrum lilies which have been very welcome in view of the general market shortage.

Jake Richards, who formerly conducted the flower store in the Cochran Hotel, previous to which time having been with Fred H. Kramer, is now located at the Louise Flower Shop.

PROVIDENCE, R. I.

W. S. Pino reports a banner season for seed business.

Maxwell Villar at Charles Smith's, quartermaster in the reserve motor unit, expects to be called for service in two weeks.

Charles Smith, retail florist, 25 Washington street, who has been sick with lung trouble is now improving rapidly and expects to be on the job again in a few days.

BOSTON.

The annual picnic of the Gardeners' and Florists' Club will take place on Wednesday, July 25.

Thomas J. Grey is in the woods at Larrabee's Point, Vt., enjoying the lake fishing and feeling better. "The doctor's orders." Tom and the Doctor are good friends, of course.

They are having some fun at the expense of W. N. Craig of late because of his handwriting. Wonder if they ever saw the writing of Rufus Choate or Horace Greeley! Craig's chirography is "copper-plate" in comparison.

A delivery truck, owned by the W. W. Rawson Company was badly damaged, Monday morning, July 15, and the chauffeur, George MacDonald, and the manager of the Rawson store, Joseph L. Beasley, were seriously injured when an outward-bound Sullivan Square-Arlington Heights car struck the machine. MacDonald was driving the car. Manager Beasley had been out on a florist job with MacDonald and was returning to work.

PHILADELPHIA.

John Burton and J. C. Trainer are progressing favorably.

A. B. Cartledge returned home from the hospital on the 17th inst.

S. S. Pennock and family are in Rhode Island for the summer months.

George Clark, of Dreer's, leaves for the Pacific today. Howard Earl, of Burpee's, same on Friday, Ed. Dungan same on Sunday night. They all hope to meet in Frisco after their various crop inspections.

The Horticultural Hall property site was confirmed by the Court on the 12th inst. The Pennsylvania Horticultural Society and the Florists' Club move on the 22nd to temporary quarters their lars and penates being stored, and only meeting rooms being engaged for the present.

NEW YORK.

W. P. Ford has just returned from a short vacation in his old home in Pennsylvania.

James Coyle has discontinued his wholesale flower store on W. 26th street on account of ill health.

C. C. Trepel is having three greenhouses erected by Lord & Burnham Co. on the Bloomingdale roof, each 28x66, also a large potting shed and telephone booth room.

H. BAYERSDORFER & CO. Manufacturers and Importers

1129 Arch St. PHILADELPHIA, PA.

A Full Line of Bridal Accessories for the June Wedding Decorations

STOCK UP NOW

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA



ANNUAL PICNIC GREEK-AMERICAN FLORISTS' ASSOCIATION, WITZEL'S POINT GROVE, N. Y.

PITTSBURGH.

J. W. Glenn, of Kittanning, who is known as "the tallest florist in western Pennsylvania" is sojourning at Mt. Clemens, Mich.

As usual, David Fraser and his family will spend the month of August as members of the cottage colony at North Girard, Pa., on Lake Erie.

Bessie Stuart Campbell gave her celebrated lecture on "Roses" before a large and interested audience at the William Penn Hotel on last Monday evening.

Edward J. McCallum has returned from his annual fishing jaunt in West Virginia. C. C. Phillips, head salesman for the same firm, and Mrs. Phillips, are sojourning at Clarksburg and Fairmount, W. Va.

Miss Marie Lager, of the clerical force of the Pittsburgh Cut Flower Co., is spending her vacation at North East, Lake Erie, while Miss Alma Abbiati, of the same firm, is a member of a touring party to Steubenville, O., and other points. William Wampler, a P. C. F. man, is at McKinley Park, Pa.

William T. Lowe and Joseph Thomas, the latter of Greensburg, and Fred Burki, together with his family, will form automobile parties to the Florists' Convention in New York. Among others scheduled for the same destination are William Falconer, Edward C. Reineman and family, Gilbert Ludwig, J. F. Zimmerman and Mr. and Mrs. Julius W. Ludwig, the latter two by way of Atlantic City.

On Wednesday last the Pittsburgh Florists' Club and the Horticultural Society of Western Penn. entertained the Sewickley Horticultural Society with an automobile sight seeing tour. En route calls were made at West Schenley and Highland Parks, the Allegheny and Homewood cemeteries and a number of the principal private grounds and greenhouses of the city, dinner being served at the Charles D. Armstrong place. E. J. McCallum was chairman of the committee in charge, its personnel also including Thomas

E. Tyler, A. A. Leach, William Thompson, Jr., James Moore, P. S. Randolph and Augustus Frishkorn.

ST. LOUIS.

The store of the Kelly Floral Co. is closed and its contents will be sold by auction. Kelly has left town and gone into voluntary bankruptcy. E. W. Guy, Belleville, Ill., tendered his resignation to the Club, which was not accepted. July 26 all aboard for Ramona Park annual outing of the St. Louis Florists' Club.

The St. Louis Florists' Club held their monthly meeting Thursday afternoon, July 12, at Jules Bourdet's plant. The feature of the meeting was the re-election of present officers: Jules Bourdet, pres.; August Hummert, vice; J. J. Windler, sec.; Wm. C. Smith, treas.; W. A. Rowe, 3-year trustee. Pres. Bourdet appointed J. J. Beneke, H. C. Irish, August Hummert, N. W. Ohlweiler to form a new Nat. Flower Show Committee to act with Chairman Jules Bourdet. It was announced by the trustees that everything was in readiness for the picnic July 26.



CHARLES FROST IN HIS PANSY FIELD

CINCINNATI.

Miss Margaret Weiland and Miss Elizabeth Kartheiser, of Evanston, Ill., are visiting Miss Weiland's sister, Mrs. P. J. Olinger, at the latter's home.

W. Frank & Sons, of Portland, Ind., have advised L. H. Kyrk that they are having so much rain that it is almost impossible to handle their soil and get it into the greenhouses.

An explosion on premises adjoining those occupied by E. G. Gillett's establishment took place last week. The only damage Mr. Gillett suffered was from smoke and the scare when the building was shaken by the force of the explosion.

OBITUARY.**Mrs. H. O. Hannah.**

Mrs. Hannah, wife of H. O. Hannah, florist, Sherman, Texas, passed away on July 9 after an illness lasting several weeks. She leaves her husband and two sons.

To Leisureland

where woods are cool, streams alluring, vacations ideal. Between New York City (with Albany and Troy the gateways) and

**Lake George
The Adirondacks
Lake Champlain
The North and West**

The Logical Route is "The Luxurious Way"

Largest and most magnificent river steamships in the world

DAILY SERVICE

Send for free copy of Beautiful "Searchlight Magazine"

**HUDSON NAVIGATION
COMPANY**

Pier 32, North River

New York

"The Searchlight Route"

ASTERS**\$1.50 — \$3.00 per 100**

Plenty of All Colors and Grades

Easter Lilies**\$6.00
per 100****Gladiolus****\$4.00 — \$6.00
per 100**

They are three best items in out-flowers during the hot months of the year

THE LEO NIESSEN CO.

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.

TRY**Horticulture's Advertisers****FIRST****Before Looking Elsewhere****Tell Them You Did So And
They'll Reciprocate****EDWARD REID
WHOLESALE FLORIST**1619 - 21 Ranstead St., Philadelphia, Pa.
CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers**H. M. ROBINSON & CO.
BOSTON'S FOREMOST
Wholesale and Commission Florists**82 Otis Street, 2 Winthrop Square
BOSTON, MASS.
Telephone 2618-2617-2616, Main.**Wired Toothpicks**

Manufactured by

W. J. COWEE, Berlin, N. Y.10,000...\$2.00. 50,000...\$8.75. Sample free.
For sale by dealers.**E. G. HILL CO.****Wholesale Florists
RICHMOND, IND.**

Please mention Horticulture when writing.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service

ZECH & MANNWe are Wholesale Florists Doing
a Strictly Wholesale Business

30 East Randolph Street, CHICAGO

POEHLMANN BROS. CO.**Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.**

If interested, send us your name and address for our weekly price list

**WELCH BROS. CO. Wholesale Cut
Flower Market**Daily consignments from
leading growersFull line of Florists'
SuppliesWrite for quotations before
ordering elsewhere**262B DEVONSHIRE ST., BOSTON, MASS.**
Telephone, Main 6267-6268**WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100
TO DEALERS ONLY**

	BOSTON July 19		ST. LOUIS July 16		PHILA. July 16	
Roses	15.00	to 25.00	20.00	to 30.00	20.00	to 25.00
Am. Beauty, Special	8.00	to 10.00	.....	to	12.50	to 20.00
" " Fancy and Extra	3.00	to 6.00	.....	to	5.00	to 10.00
" " No. 1 and culls	1.00	to 6.00	5.00	to 10.00	2.00	to 12.00
Russell, Euler, Mock	1.00	to 8.00	6.00	to 10.00	3.00	to 10.00
Hadley	2.00	to 6.00	4.00	to 6.00	2.00	to 10.00
Arenberg, Hoosier Beauty	2.00	to 6.00	.....	to	2.00	to 4.00
Ward	2.00	to 4.00	2.00	to 4.00	2.00	to 8.00
Killarney, Radiance, Taft	2.00	to 8.00	3.00	to 6.00	3.00	to 10.00
Ophelia, Sunburst, Hillingdon	.50	to 1.00	.75	to 1.00	1.00	to 2.00
Carnations	30.00	to 50.00	50.00	to 75.00	25.00	to 50.00
Cattleyas	.....	to 50.00	.....	to .....	.....	to 50.00
Dendrobium formosum	3.00	to 4.00	.....	to 10.00	6.00	to 8.00
Lilies, Longiflorum	.....	to .....	.....	to	3.00	to 8.00
Lilies, Speciosum	5.00	to 6.00	.....	to 8.00	4.00	to 8.00
Lily of the Valley	1.00	to 2.00	4.00	to 6.00	.....	to
Snazdragon	1.00	to 8.00	4.00	to 6.00	.....	to 6.00
Gladioli	.....	to .....	.....	to 2.00	2.00	to 3.00
Asters	.25	to .50	.....	to .....	.....	to
Sweet Peas	.50	to .75	.50	to 1.00	.....	to
Marguerites	10.00	to 25.00	.....	to	75.00	to 100.00
Gardenias	.50	to 1.00	.....	to 1.00	.....	to
Adiantum	15.00	to 25.00	.....	to 12.50	.....	to 25.00
Smilax	20.00	to 25.00	25.00	to 35.00	25.00	to 50.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	.....	to .....	.....	to .....	.....	to

**WILLIAM F. KASTING Co.
Wholesale Florists****568-570 WASHINGTON STREET - BUFFALO, N. Y.****J. A. BUDLONG**

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A SpecialtyWHOLESALE
GROWER of**CUT FLOWERS****CUT FLOWER BOXES**

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

Flower Market Reports

BOSTON The market congestion which has been in evidence for the past few weeks is not so noticeable today and the bare stalls in the market are the best evidence that the supply has materially shortened up. But the demand is very weak and the effect of this is not shown materially in the stock on hand. Hence, we cannot report any noticeable advance in wholesale market values although it is in evidence that the call has increased on account of local demand for funeral and other uses. Things are bad, but they might be much worse than they are.

CHICAGO From a general standpoint the Chicago market is very satisfactory. For any one who expects to do the same amount of business as in the winter, there could be nothing but disappointment, but for the florist who expects summer conditions in July, there is nothing to find fault with. Roses are in good demand for the season, especially short ones. Lily of the valley also sells well and the call for American Beauties is said to be very good. Carnations are not holding up well and some shippers are now turning down their shipping orders. Others, however, are filling them as usual and say they have no complaints. Local sales of carnations are slow. The last of the peonies will probably be taken from cold storage this month. Those coming now seem to be in very good condition. If cool temperature is a promoter of summer business, then the Chicago florists are having this assistance.

For the time of the **CINCINNATI** year business is fair.

There is not a whole lot of business but what there is in business is steady. The supply of flowers is fully able to satisfy all present demands. Few long roses are coming into the market. Many short ones, however, may be had. Gladioli find a good market. The demand for lilies is picking up. Carnations, though small, have a better market than they had a fortnight ago. Hardy hydrangea are coming into the wholesale houses. Sweet peas have been holding out nicely and meet with a fair demand.

The flower market **NEW YORK** experienced a welcome rejuvenation last Saturday which lasted over until Tuesday, at which time it took another tumble back into the trenches. Red roses are in demand in advance of the supply and Ophelia is decidedly a favorite in the general call. The market is pretty well cleaned up on the material which has been "in the saddle" for the past few weeks and the lack of supply makes it look like a temporary famine. But we don't think anybody will be badly used under prevalent conditions.



ASTERS

The first cuts are now arriving, and very good quality they are.

\$2, \$3 and \$4 per 100

**S. S. PENNOCK
COMPANY**
Philadelphia, Pa.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI July 16		CHICAGO July 16		BUFFALO July 16		PITTSBURGH July 9	
Roses								
Am. Beauty, Special.....	.....	to 25.00	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra.....	15.00	to 20.00	15.00	to 25.00	15.00	to 20.00	12.00	to 15.00
" " No. 1 and culls.....	8.00	to 12.00	4.00	to 10.00	2.00	to 4.00	3.00	to 10.00
Russell, Euler, Mock.....	3.00	to 8.00	3.00	to 20.00	6.00	to 8.00	3.00	to 10.00
Hadley.....	.....	to .....	.....	to	5.00	to 8.00	.....	to
Arenberg, Hoosier Beauty.....	3.00	to 8.00	2.00	to 30.00	4.00	to 8.00	.....	to
Ward.....	4.00	to 8.00	2.00	to 8.00	2.00	to 5.00	3.00	to 10.00
Killarney, Radiance, Taft.....	3.00	to 6.00	2.00	to 8.00	2.00	to 6.00	3.00	to 10.00
Ophelia, Sunburst, Hillingdon.....	.....	to	2.00	to 8.00	3.00	to 8.00	3.00	to 10.00
Carnations	1.00	to 2.00	1.00	to 3.00	1.00	to 2.00	1.00	to 2.00
Cattleyas.....	.....	to	50.00	to 75.00	50.00	to 60.00	.....	to 75.00
Dendrobium formosum.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Lilies, Longiflorum.....	8.00	to 10.00	5.00	to 8.00	8.00	to 10.00	6.00	to 10.00
Lilies, Speciosum.....	3.00	to 8.00	.....	to	3.00	to 4.00	.....	to
City of the Valley.....	.....	to	4.00	to 6.00	6.00	to 8.00	.....	to 6.00
Snaptagon.....	3.00	to 6.00	3.00	to 6.00	3.00	to 5.00	.....	to
Gladioli.....	4.00	to 8.00	8.00	to 6.00	6.00	to 8.00	4.00	to 6.00
Asters.....	2.00	to 4.00	.....	to .....	.....	to .....	.....	to
Sweet Peas.....	.35	to .50	.25	to 1.00	.50	to 1.00	.20	to .50
Marguerites.....	.....	to .....	.25	to 1.00	1.00	to 1.25	1.00	to 2.00
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	.....	to .....	.....	to .75	1.00	to 1.25	1.00	to 1.25
Smilax.....	.....	to 15.00	20.00	to 25.00	15.00	to 20.00	.....	to 20.00
Asparagus Plu. & Spren. (100 Bhs.)	20.00	to 25.00	25.00	to 50.00	30.00	to 50.00	30.00	to 75.00

Roses and carnations are in smaller supply and the quality corresponds. There are still a few good carnations and these bring good figures but the asters will be along soon and then good bye. Lilies are plentiful but they sell. Gladioli, not so many thus far and mostly from the south. There ought to be some good Jersey stock by the end of the week.

A splendid lot of **PITTSBURGH** gladioli and very fair asters are now coming in, as well as some larkspur and gypsophilla. Carnations are beginning to drop out and the growers are emptying their benches and replanting. Owing principally to funeral work, business has been fairly good

during the week just past and prices keep going apace.

This market is in **ROCHESTER** a critical condition.

The season is practically a month behind and at present we are swamped with outdoor flowers. Business the past two weeks has been very slow, and prices are ruling accordingly. Considering the glut of outdoor roses the greenhouse stock has not moved very fast and many are going to waste. The cut of carnations continues very large and they are sold for low prices. Quantities of candytuft, sweet william, feverfew, gypsophilla, coreopsis, gailardia and pink and red ramblers arrive daily. Lilies are plentiful at \$5.00 per hundred to clear.

(Continued on page 76)

H. E. FROMENT

Wholesale Commission Florist
Choice Cut Flowers
New Address, 143 West 58th St., NEW YORK
Telephone: 2200, 2761, Madison Square.

HENTZ & NASH, Inc.

Wholesale Commission Florists

55 and 57 West 26th Street
Telephone No. 785
Farragut New York

WM. P. FORD

Wholesale Florist

107 W. 28th Street, NEW YORK
Telephone 5335, Farragut.
Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT

WHOLESALE FLORIST

109 WEST 26th ST
CONSIGNMENTS SOLICITED
PHONE 608 / 609 FARRAGUT NEW YORK

JOHN YOUNG & CO.

WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY
Consignments Solicited
Phone 7362 Madison Square

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Leucothoe, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorative Evergreens.
(Tel. / 1903 / 1905) Mad Sq. 119 W. 28 St., New York

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N. Y.

RIEDEL & MEYER, Inc.

Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

P. J. SMITH

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.

TELEPHONE 2281 / 3089 FARRAGUT 131 West 28th St., NEW YORK CITY

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, - - NEW YORK
Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the

BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.

PAUL MECONI—Wholesale Florist—NEW YORK

Telephone Nos. 3864 and 8364 Madison Square

57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers

We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER MORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists

Phones: Farragut 558, 2036 and 2037

111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending July 14 1917		First Half of Week beginning July 16 1917	
American Beauty, Special	15.00	to 20.00	15.00	to 20.00
" " Fancy and Extra	10.00	to 15.00	10.00	to 15.00
" " No. 1 and culls.	1.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock	1.00	to 8.00	1.00	to 8.00
Hadley	1.00	to 10.00	1.00	to 10.00
Arenberg, Hoosier Beauty	1.00	to 4.00	1.00	to 4.00
Ward	1.00	to 4.00	1.00	to 4.00
Killarney, Radiance, Taft	1.00	to 4.00	1.00	to 5.00
Ophelia, Sunburst, Hillingdon	1.00	to 8.00	1.00	to 8.00
Key	1.00	to 4.00	1.00	to 6.00
Carnations .....	.50	to 1.00	.50	to 1.00

WALTER F. SHERIDAN

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York
Telephone—3532-3533 Madison Square

JOSEPH S. FENRICH

WHOLESALE FLORIST

LILIES EVERY DAY

51 W. 28th Street, New York
Telephones, 420-421-422 Mad. Sq.

Frank H. Traendly Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797, 798, 799 Farragut

Consignments Solicited

HERMAN WEISS

WHOLESALE FLORIST

Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

130 West 28th Street, Tel. Farragut 634,
NEW YORK.

HENRY M. ROBINSON CO. OF NEW YORK

WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

MAKE YOUR OWN CHRISTMAS WREATHS START THEM NOW

USE OUR NATURAL PREPARED
GREEN LYCOPodium
Fire proof and guaranteed not to become brittle. Put up in convenient size carton, 10 lbs. net. This is a good substitute for Sea Moss.
PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street
PITTSBURGH, PA.

Flower Market Reports

(Continued from page 75)

It is difficult to get sufficient stock to fill all orders. The smaller stores are hardest hit because of an inability to order far enough in advance to cover themselves. Carnations are very good. Asters have made their appearance in limited quantities. The gladiolus crop is far behind this year and there is a shortage, with stock below par as to quality. Roses are very scarce. There is a spasmodic demand for orchids. Some fair-sized decorations came last week and these used up all stock very nicely. Lilies are not very plentiful but prices continue low with quality good. Some little stock in the small flower line is to be had but there is little call for this.

Visitors Register

Pittsburgh—Charles Zinn, New York city.

Cleveland, O.—J. K. M. L. Farquhar, Boston.

Providence, R. I.—J. Berg, of Lion & Co., New York.

New York—L. G. Peacock, Toronto, Ont.; J. A. Ritter, Baltimore, Md.; Carlos Jensen, repr. L. Daehnfeldt, Odense, Denmark.

Washington, D. C.—Lillie May Phelps, with Rehder's Flower Store, Wilmington, N. C.; Ernest T. Hoehl, Phila., Pa.; Sidney H. Bayersdorfer, Phila.

Boston—A. P. Meredith, Grafton, Mass.; Miss Maude Smith, bookkeeper for the Albany Cut Flower Exchange, Albany, N. Y.; Sam Woodrow, New York; W. A. Manda, South Orange, N. J.; D. J. Pappas, United Cut Flower Co., New York city.

Chicago—Jacob Kolb, treasurer of the Rentschler Floral Co., Madison, Ind.; Wm. Dilger, Detroit, Mich.; Mr. Grant, of the Warren Park Floral Co., Roseville, O.; Miss Rundfisch, Beloit, Wis.; Alfred Forder, Cincinnati, O.; Wm. Curren, Elkhart, Ind.; A. C. Anderson and small son, Missoula, Mont.; Mr. and Mrs. Villas, "Sunshine Florist," Minneapolis, Minn.; Mr. and Mrs. Chas. Heacock, Austin, Tex.; Vincent Gorley, St. Louis, Mo.; Otto Bruning, St. Louis, Mo.

PERSONAL.

T. H. Townsend, who was graduated in floriculture from Cornell last February, and who is now florist for F. F.

PATRICK WELCH, WHOLESALE FLORIST
262 DEVONSHIRE STREET, BOSTON, MASS.
American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.
STORE OPEN FOR BUSINESS AT 6 A. M. TELEPHONE MAIN 2698.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending July 14 1917		First Half of Week beginning July 16 1917	
Cattleyas.....	15.00	to 50.00	30.00	to 60.00
Dendrobium formosum.....	.....	to 40.00	.....	to 40.00
Lilies, Longiflorum.....	1.00	to 3.00	2.00	to 4.00
Lilies, Speciosum.....	1.00	to 3.00	1.00	to 3.00
Lily of the Valley.....	4.00	to 6.00	4.00	to 6.00
Snopdragons.....	1.00	to 3.00	1.00	to 3.00
Spanish Iris.....	.....	to .....	.....	to
Gladioli.....	3.00	to 6.00	3.00	to 6.00
Sweet Peas.....	.15	to .50	.15	to .50
Marguerites.....	.15	to .50	.15	to .50
Gardenias.....	10.00	to 20.00	10.00	to 20.00
Adiantum.....	.25	to 1.00	.25	to 1.00
Smilax.....	15.00	to 20.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 bunches).....	10.00	to 20.00	10.00	to 20.00

J. K. ALLEN, WHOLESALE COMMISSION FLORIST
Always Ready to Receive Consignments and Can Market Them Satisfactorily.
Wanted Specially, Early Peonies, Gladioli, etc., for Spring Trade.
A Clean Record For Thirty Years
118 West 28th Street, - - - NEW YORK
Telephones: 167 and 3058 Farragut

COMMISSION DEALER
FRANK MILLANG
HOME GROWN ASPARAGUS
CUTFLOWERS
IN ANY QUANTITY
55-57 W. 26th St., NEW YORK

Dryden at Bernardsville, N. J., has recovered from scarlet fever and resumed work.

Mr. Runyan, of the Elizabeth Nursery Co., Elizabeth, N. J., has gone on a business trip to Cuba.

Alexander Johnson, city forester for Providence, R. I., is now a major general in the national guard and expects to be called into active service soon.

Patrick O'Mara, the shining light of Peter Henderson & Co., has been enjoying the rare privilege of a vacation. We do not recall that this ever-busy man has ever done this before. May he enjoy it to the limit.

Laurenz Greene, who has been head of the pomology section of the Iowa Agricultural College, has been appointed to succeed Prof. C. G. Woodbury as chief of the horticultural department of Purdue University. Prof. Woodbury becomes director of the experiment station.

UNITED CUT FLOWER CO., INC.
Flowers Sold on Commission
Consignments of
Good Stock Solicited
111 W. 28th St., - NEW YORK

Established 1888 Tel. 551 Farragut
GUNTHER BROS.
Wholesale Commission Florists
110 West 28th St., New York
We Solicit Consignments of New England Grown Novelties.

Beechwood Heights Nurseries
Importers and Growers of
ORCHIDS
Cut Flowers of All the Leading Varieties in their Season.
THOMAS YOUNG, Jr., Proprietor
BOUND BROOK, N. J.

REED & KELLER
122 West 25th St., New York
Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

Buyer's Directory and Ready Reference Guide

Advertisements under this head, one cent a word. Initials count as words.

Display Advertisers in this issue are also listed under this classification without charge. Reference to List of Advertisers will indicate the respective pages.

Buyers failing to find what they want in this list will confer a favor by writing us and we will try to put them in communication with reliable dealers.

ACCOUNTANT

R. Dysart, 40 State St., Boston.
For page see List of Advertisers.

APHINE

Aphine Mfg. Co., Madison, N. J.
For page see List of Advertisers.

APHIS PUNK

Nicotine Mfg. Co., St. Louis, Mo.
For page see List of Advertisers.

ARALIAS

P. Ouwertkerk, Hoboken, N. J.
For page see List of Advertisers.

BASKETS

H. Bayerdorfer & Co., Philadelphia, Pa.
For page see List of Advertisers.

BEGONIAS

B. Vincent, Jr. & Sons Co., White Marsh, Md.
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BEGONIA LORRAINE.

2 1/4-in. pots, \$14.00 per 100; \$120.00 per 1000.
JULIUS ROEHRS COMPANY,
Rutherford, N. J.

BREDDING PLANTS

A. N. Pearson, Inc., Cromwell, Conn.
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Wood Bros., Fishkill, N. Y.

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BOILERS

Kroeschell Bros. Co., Chicago.
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King Construction Co., North Tonawanda,
N. Y.

"King Ideal" Boiler.

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Lord & Burnham Co., New York City.
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BOXES—CUT FLOWER FOLDING

Edwards Folding Box Co., Philadelphia.
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BULBS AND TUBERS

J. M. Thorburn & Co., New York City.
Lilium Harrisii, Roman Hyacinths and
Paper White Narcissus.
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Ralph M. Ward & Co., New York City.
French, Japan, Holland and Cold Storage
Bulbs.

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August Rolker & Sons, New York City.
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R. & J. Farquhar & Co., Boston, Mass.
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Chas. Schwake & Co., New York City.
Horticultural Importers and Exporters.
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Henry F. Mitchell Co., Philadelphia, Pa.
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F. Rynvald & Sons, New York City.
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W. B. Marshall & Co., New York City.
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Arthur T. Beddington Co., Inc.,
New York City.
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C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK BRANCH, 9-10 Bridge St.

CANNAS

Wood Bros., Fishkill, N. Y.
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CARNATIONS

F. Dorner & Sons Co., Lafayette, Ind.
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Wood Bros., Fishkill, N. Y.
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CARNATION STAPLES

Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 1000 for 35c; 3000 for \$1.00 post-
paid. I. L. PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Charles H. Totty, Madison, N. J.
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Pompon Chrysanthemums.
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Elmer D. Smith, Adrian, Mich.
New Chrysanthemum Catalogue.
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Wood Bros., Fishkill, N. Y.
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CYCLAMENS

CYCLAMEN—Best strain, separate colors,
or mixed, 2 1/4 in. pots, \$7.50 per 100; \$80.00
per 1000. J. H. FIESSER, North Bergen,
N. J.

CYCLAMENS.

Best strain separate colors or mixed.
3-in. pots, \$10.00 per 100; \$90.00 per 1000.
JULIUS ROEHRS COMPANY,
Rutherford, N. J.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell.
Stock For Sale.
JOHN P. ROONEY, New Bedford, Mass.

ORDERS BOOKED ANY TIME

For Fall or Spring delivery. Wholesale and
Retail. Send for Catalogue. NORTHBORO
DAHLIA & GLADIOLUS GARDENS, J. L.
Moore, Prop., Northboro, Mass.

NEW PAEONY DAHLIA

John Wanamaker, Newest, Handsomest,
Best. New color, new form and new habit
of growth. Big stock of best cut-flower
varieties. Send list of wants to
PEACOCK DAHLIA FARMS, Berlin, N. J.

DECORATIVE PLANTS

Julius Reehrs Co., Rutherford, N. J.
Choice Flowering and Foliage Plants.
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Robert Craig Co., Philadelphia, Pa.
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Hobbink & Atkins, Rutherford, N. J.
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High Grade Plants for Retail Florists.
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Dwarf Gladiolus.
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GLASS

Parshelsky Bros., Inc., Brooklyn, N. Y.
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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

GLAZING POINTS

H. A. Dreer, Philadelphia, Pa.
Peerless Glazing Point.
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Metropolitan Material Co., Brooklyn, N. Y.
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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. **FRANKLIN BARRETT, Breeder, 4815 D. St., Olney, Philadelphia, Pa.** Large breeding pairs for sale. Send for price list.

GREENHOUSE BUILDING MATERIAL
King Construction Co., N. Tonawanda, N. Y.
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Florists' Hall Asso. of America.
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Eastern Chemical Co., Boston, Mass.
Imp. Soap Spray.
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Lemon Oil Co., Baltimore, Md.
Lemon Oil Insecticide.
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Wm. Elliott & Sons, New York City.
Cut Worm Food.

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John Lewis Childs, Inc., Flowerfield, N. Y.
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Roman J. Irwin, New York City.
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American Bulb Co., Chicago, Ill.
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LILY OF THE VALLEY PIPS

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F. O. Pierce Co., New York City.
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NATIONAL NURSEBYMAN

National Nurseryman Publishing Co., Inc.
Hathboro, Pa.
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NEW YORK HOTEL ACCOMMODATIONS
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NIKOTEEEN

Nicotine Mfg. Co., St. Louis, Mo.
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NIKOTIANA

Aphine Mfg. Co., Madison, N. J.
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R. & J. Farquhar & Co., Boston, Mass.
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Bobblink & Atkins, Rutherford, N. J.
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Beechwood Heights Nurseries, Bound Brook, N. J.
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Julius Roehrs Co., Rutherford, N. J.
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Lager & Hurrell, Summit, N. J.
HASSALL & CO., Orchid Growers and Raisers, Southgate, London, England. Immense stock of Cattleyas.

PAINTS AND PUTTY

Metropolitan Material Co., Brooklyn, N. Y.
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PANSY SEED

Michell's Seed House, Philadelphia, Pa.
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PETUNIAS

R. Vincent, Jr. & Sons Co., White Marsh, Md.
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PEONIES

French Peonies can be shipped with celerity and security via Bordeaux-New York. Catalogues free. **DESSERT, Peony Specialist, Chenonceaux (I. & L.), France.**

Peonies. The world's greatest collection 1200 sorts. Send for list. **C. BETSCHER, Canal Dover, O.**

PECKY CYPRESS BENCHES

Metropolitan Material Co., Brooklyn, N. Y.
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Shelf Brackets and Pipe Hangers.
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Metropolitan Material Co., Brooklyn, N. Y.
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In writing to Advertisers kindly mention Horticulture

PLANT TUBS

H. A. Jaiser, Philadelphia, Pa.
"River-ton Special"

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PLANT AND BULB IMPORTS

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August Rolker & Sons, New York City.

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McHutchinson & Co., New York City.

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A. N. Pierson, Inc., Cromwell, Conn.

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Bay State Nurseries, North Abington, Mass.

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ROSES, CANNAS AND SHRUBS.

THE CONARD & JONES COMPANY,

WEST GROVE, PA.

SASH

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R. Vincent, Jr. & Sons Co., White Marsh, Md.

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SEEDS

Carter's Tested Seeds.

Boston, Mass., and London, England.

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Joseph Breck & Sons, Boston, Mass.

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J. Bolgiano & Son, Baltimore, Md.

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Winter Flowering Spencer Sweet Pea Seeds

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Chas. Schwake & Co., New York City.

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Mitchell's Seed House, Philadelphia, Pa.

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W. Atlee Burpee & Co., Philadelphia, Pa.

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R. & J. Farquhar & Co., Boston, Mass.

Gold Medal Cyclamen Seed.

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J. M. Thorburn & Co., New York City.

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Ant. C. Zvolanek, Lompoc, Cal.

Winter Flowering Sweet Pea Seed.

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Kelway & Son, Langport, England.

Seeds, Selected Strains.

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S. S. Skidelsky & Co., Philadelphia, Pa.

Snagdragon, Pansy, and Mignonette Seed.

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W. E. Marshall & Co., New York City.

Seeds, Plants and Bulbs.

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August Rolker & Sons, New York City.

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S. D. Woodruff & Sons, New York City and Orange, Conn.

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Thomas J. Grey Co., Boston, Mass.

Seeds, Bulbs, Implements.

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Fottler, Fisk, Rawson Co., Boston, Mass.

Seeds for the Florist.

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SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

SWEET PEA SEED

Ant. C. Zvolanek, Lompoc, Calif.

Winter Orchid Flowering Peas.

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Arthur T. Boddington Co., New York City.

Winter Flowering Spencer Sweet Peas

TREE SURGERY

Davey Tree Expert Co., Kent, Ohio.

VASES

H. Bayersdorfer & Co., Philadelphia, Pa.

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VEGETABLE PLANTS

R. Vincent, Jr. & Sons Co.

White Marsh, Md.

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Warren Shinn, Woodbury, N. J.

Celery plants, Golden Self Blanching (French strain), Giant Paschal, also the grand new Easy Blanching variety, which is easy to grow; fine plants, ready for the field, \$2.00 per 1000, or \$3.75 for 5000. Cash. BRILL CELERY GARDENS, Kalamazoo, Mich.

VENTILATING APPARATUS

The Advance Co., Richmond, Ind.

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The John A. Evans Co., Richmond, Ind

VERMICIDES

Aphine Mfg. Co., Madison, N. J.

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VIBURNUM AND SHRUB SEEDS

100 lbs. Viburnum lentago seed, 1916 crop, \$2.00 per lb., 3 to 5 lbs., \$1.75 per lb.

20 lbs. Viburnum Americanum, 1916 crop, \$3.00 per lb., 3 to 5 lbs., \$2.50 per lb.

10 lbs. Viburnum pubescens, 1916 crop, \$2.75 per lb., 3 to 5 lbs., \$2.25 per lb.

These seeds will germinate in September and October. Should be sown in August.

Red berried Elder, 1917 crop, cleaned, 1/2 lb., \$1.75; one lb., \$3.00.

A. H. & N. M. LAKE, Marshfield, Wis.

VINCAS

Vinea variegata from 4 in. pots, price \$10.00 to \$15.00 per hundred.

WM. CAPSTICK, Auburndale, Mass.

Vinea variegata, 3 1/2 inch pots, \$8.00 per 100. CHRISTOFFERSON BROS., North Beverly, Mass.

VINES

Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Hissarlik Nursery, New Rochelle, N. Y.

WHEAT SHEAVES

H. Bayersdorfer & Co., Philadelphia, Pa.

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WIRED TOOTHPICKES

W. J. Cowee, Berlin, N. Y.

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Reed & Keller, New York City.

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WILLIAM K. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

WHOLESALE FLORISTS

Albany, N. Y.

Albany Cut Flower Exchange, Albany, N. Y.

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The Beechwood Heights Nurseries, Thos. Young, Jr., Prop.

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Zech & Mann, 30 East Randolph St.

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P. J. Smith, 131 West 28th St.

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Hents & Nash, 65 and 67 W. 28th St.

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Charles Millang, 65 and 67 West 28th St.

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W. P. Ford, 107 W. 28th St.

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J. K. Allen, 118 West 28th St.

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S. S. Pennock Co., 117 W. 28th St.

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Fraendly & Schenck, 436 6th Ave., between 28th and 27th Sts.

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Paul Meconi, 57 West 28th St.

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Riedel & Meyer, Inc., 40 West 28th St.

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George C. Siebrecht, 109 W. 28th St.

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Est. 1765

Inc. 1904

Pot Makers for a
Century and a Half**HEWS****STRONG
RED
POROUS****POTS**World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**WHOLESALE FLORISTS**
New York—ContinuedJohn Young & Co., 53 West 28th St.
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York City.
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Ludlow St.
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N. W.
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For page see List of Advertisers.**FLOWERS BY TELEGRAPH.**Danker, Albany, N. Y.
For page see List of Advertisers.**FLOWERS BY TELEGRAPH.**Johnston Bros., 38 Dorrance St., Providence, R. I.
For page see List of Advertisers.**GARDENIA VEITCHII.**A. L. Miller, Jamaica, N. Y.
For page see List of Advertisers.**DREER'S "Riverton Special" Plant Tubs**

No.	Diam.	En.	Doz.	1000
10	20 in.	\$1.90	\$21.50	\$175.00
20	18 in.	1.60	18.50	150.00
30	16 in.	1.25	14.25	115.00
40	14 in.	1.00	11.25	90.00
50	12 in.	.75	8.25	65.00
60	10 in.	.55	6.00	45.00
70	8 in.	.40	4.50	35.00

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HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714-716 Chestnut St., Philadelphia, Pa.**GREENHOUSE HEATING.**Metropolitan Material Co., Brooklyn, N. Y.
For page see List of Advertisers.**KENILWORTH GIANT PANSY SEED.**Chas. Frost, Kenilworth, N. J.
For page see List of Advertisers.**KROESCHELL WATER STEAM BOILER.**Kroeschell Bros. Co., Chicago, Ill.
For page see List of Advertisers.**NEW CROP PANSY SEED.**Michell's Seed House, Philadelphia, Pa.
For page see List of Advertisers.**SASH OPERATING DEVICES AND GREENHOUSE FITTINGS.**Advance Co., Richmond, Ind.
For page see List of Advertisers.**THE PEONY***If You Want to
Know the Peony**If You Want to
Grow the Peony**If You Want to
Show the Peony*

Buy the Book of the PEONY by Mrs. Edward Harding. The price is \$6.00 and you will get full money's worth when it is on your book-shelf. History, Description, Culture, fully covered and right up to date. 20 full page illustrations in colors. 22 in doubletone and a map.

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WANTED - Experienced greenhouse assistant. Wages \$18.00 per week with room. Apply "A. S." P. O. Box 75, Warwick Neck, R. I.

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BOSTON OFFICE: 113 State St. NEW YORK OFFICE: 1176 Broadway. PHILADELPHIA OFFICE: Harrison Bldg., 15th and Market Sts.

NEWS NOTES.

Roebing, N. J.—Plans are being discussed to hold a flower and vegetable show here some time soon.

North Cambridge, Mass.—Edward F. Norberg, formerly with W. W. Edgar Company, Waverley, has leased the greenhouses of Kameyama, the Japanese florist.

Cromwell, Conn.—A. N. Pierson, Inc. have just made a present of life insurance to all their men. This insurance is written on the group plan in a Hartford company, and went into effect on July 3rd. It provides \$500 for all employees who have completed one year of service, and \$100 per year extra for their employees who have been with the firm a longer time, until the maximum of \$1500 is attained. The firm pays the premium. A disability clause provides that, if any employee is permanently prevented from working, he shall receive the principal amount, either in a lump sum or in instalments. A blanket contract is written between the company and A. N. Pierson, Inc., but each employee receives an individual certificate, assuring him that his family will be taken care of in case of mishap to him. Group insurance is a new thing, which has come into use in the past five years, and is being adopted extensively throughout the United States by leading firms.

BUSINESS TROUBLES.

Omaha, Neb.—H. H. Swanson, florist, 1418 North 18th street, adjudged bankrupt.

PUBLICATION RECEIVED

Vacation fiction is now in order and The Page Company, Boston, are as usual on the spot with some delightful romances that, like all The Page literature, are sure to win popularity and a large sale. Two of these we would mention here. One is "The House on The Hill" by Margaret R. Piper, the same author who wrote the two "Sylvia" Cheerful Books. The House on the Hill is a winsome story of some young people who spent a delightful summer in the New England out-of-doors. The book will be appreciated by girls of fifteen to sixteen. "The Barbarian or Will Bradford's School Days at St. Jo's." is a book for boys. The author is Brewer Corcoran, of whom we have written before as the author of that virile story of Maine life and intrigue "The Road to La Reve." The Barbarian is full of engrossing interest, with football and baseball lore in abundance. The boy who starts to read this book will be otherwise "dead to the world" until he has finished the last page.

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Providence, R. I.—Ira L. Whitman, 195 Killingly street, one house.



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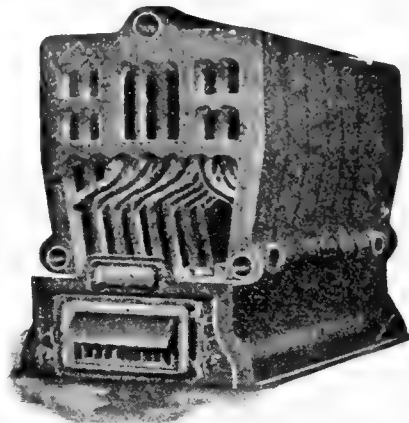
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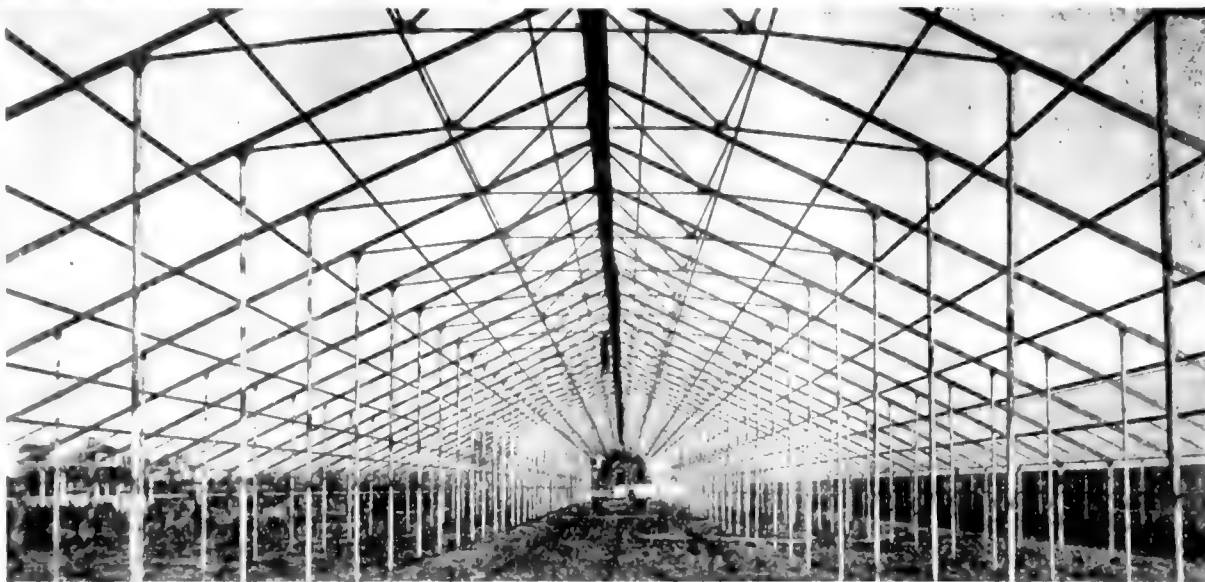
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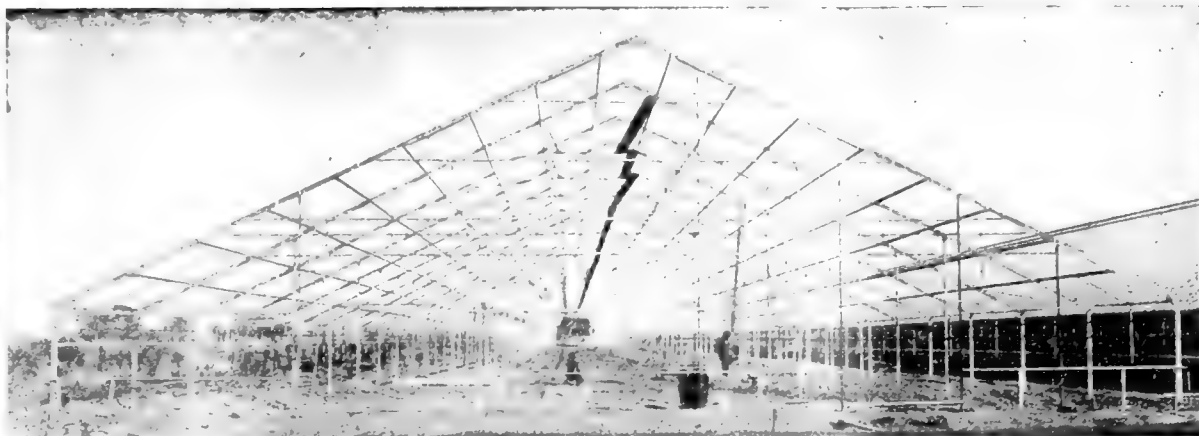
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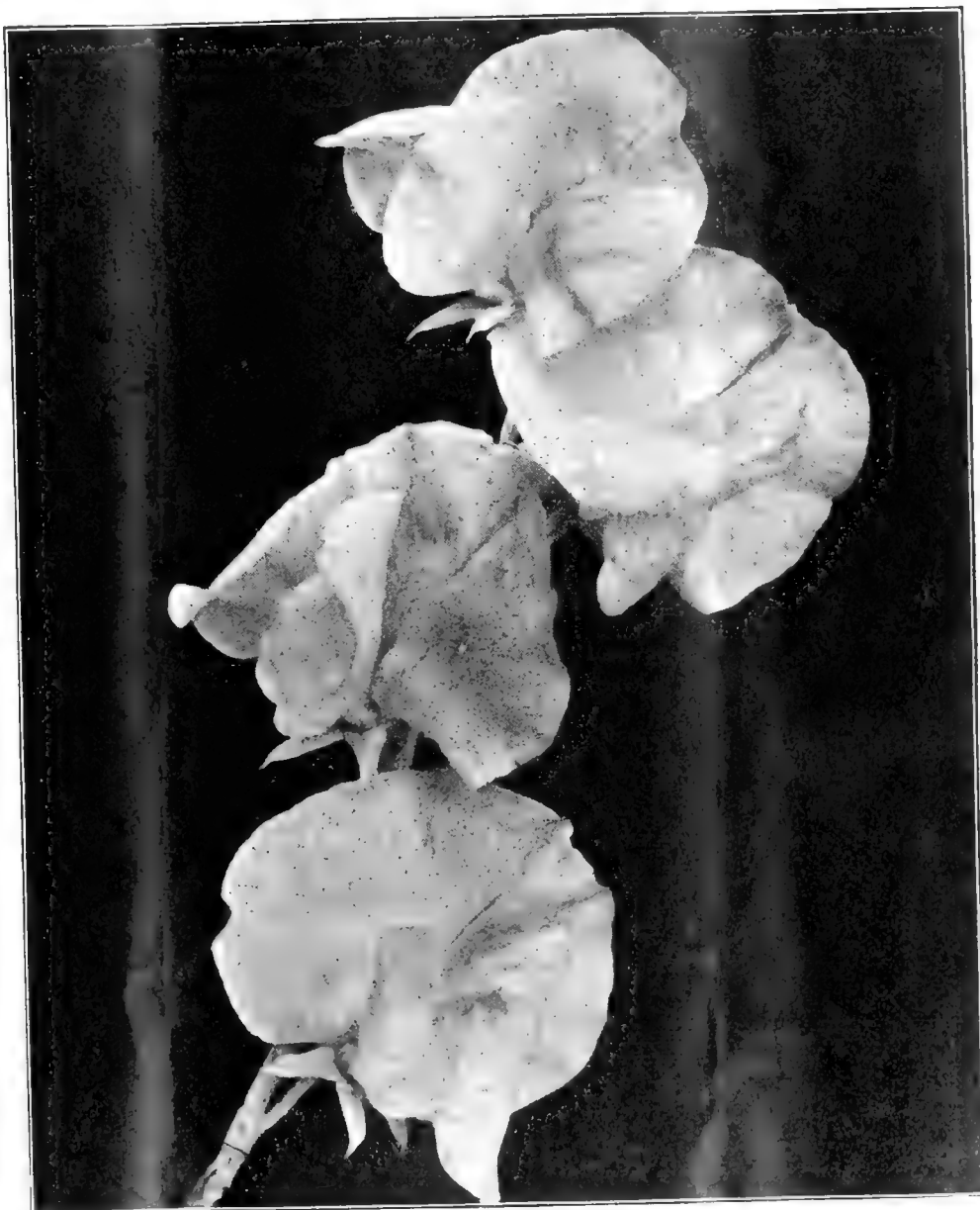
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Gable exterior of the last Davis Garden house. It was completed the early part of November.

Vol. XXVI
No. 4
JULY 28
1917

HORTICULTURE



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New Early-flowering or Winter-blooming GIANT PANSIES

The first to flower in spring.

Flowers good and large, with deep, rich colors.

Stems long and strong.

Excellent for cut flowers when wanted in separate colors.

A vigorous grower and a good bedder.

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- 17 CHARM OF MARCH. Dark velvety blue
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

Calceolarias

In sowing one must guard against scattering the minute grains too thickly, which might result in a wholesale damping off of the little seedlings, only too inclined at all times to yield to decay. The seeds want no covering and are merely pressed into the surface of the soil, after which the trays are carefully watered with a fine spray can. Place in a frame shaded and not allowed to become dry, and the trays will soon be covered with a lusty green. Great care must be exercised in spraying and watering to avoid extremes either way. The danger of loss through damping off is lessened by timely transplanting from box to box. When of good size the plants are potted, but remain in the frame until the latter part of the season, when plants are transferred to a safer place under glass. Transplanted from time to time they will reach their last shift about the first week of March.

Care of Violets

Be always very careful in watering, looking over the beds first to detect the dry spots. Keep the soil open and sweet by frequent and shallow cultivations. Give a good syringing early in the morning on fine days so as to allow the foliage to become dry before night. They should be gone over every week and all diseased or decayed leaves removed. If there is any crop that requires to be kept strictly clean during every stage of their growth it is the violet. About the first week in August apply a mulch of cow manure and half soil about three-quarters of an inch thick which will help to feed the surface roots which start after this date. Give all the ventilation day and night that you can put on with safety and fumigate every ten days which will keep green fly in check.

Chrysanthemums

Frequent and copious spraying will keep the temperature down to a reasonable point and if this is not done, plants suffer very much under torrid conditions. About every two weeks use a sprayer that will get right under every leaf. The top side of the foliage may be perfectly clean while the underside may harbor whole colonies of insects. It pays to examine the underside once in a while. Many a stray brood of caterpillars can be picked up in this way, and one can also see where red spider begins. Clean off any suckers that may be showing as they help to take away the strength from the flowering shoots. General work in the houses is largely routine; staking, tying, and keeping the beds sweet and free from weeds by a weekly weeding up. Give light fumigation about every ten days.

Next Week: Carnations; Cleaning, Planting and Repairing; Crotons; Providing Compost; Stock Plants for Next Winter; Reminders.

Freesias

The bulbs of these popular winter flowering plants will soon arrive and if an early cut is desired for Christmas they should go into pans or flats right away. For compost use three parts loam, one part rotted cow manure and plenty of sharp sand. If the soil is moist, water need not be given for a few days after planting. The pans or flats do well if kept in a cold frame or pit, covered with board shutters to prevent drying out until leaves appear, when the plants can be gradually inured to the light. They will do much better in cold frames than a greenhouse until October. They can be stood on shelves and in a carnation temperature a fair proportion can be had at Christmas.

Pansies

Get the seed bed into shape and order your wants in seeds so as to have them on hand when ready. It would not hurt to make two sowings—one at the last of July and the other about August 15. They are among the first plants to come into flower in spring and we always find people who, when they see a cold frame of pansies in bloom, or a basket of a dozen plants, will forget all about how poorly they did last season and leave an order. Those sown in August and wintered over will give the least trouble and will flower in early April or, as was the case this year, the middle of March. It is too early to sow them now, for if the plants are too large they do not stand a severe winter as well as the small stock. The early sown stock can be used for planting inside, where the temperature runs from 40 to 45 degrees.

Reminders

Have you ordered bulbs needed for next fall?

Keep up the stock of yellow marguerites by striking cuttings when these can be obtained from good growth shoots.

Do not allow too many growths to remain on dahlias. One good shoot to each plant is better than a dozen weak ones.

Show pelargoniums should all be on their sides resting and can be pruned back towards the end of the month and restarted.

Poinsettia cuttings should not be put in after this date. Keep rooted stock potted on, finish any bench planting and get a good supply of serviceable sized pans filled. Grow the plants cool for some time yet.

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Our readers will notice some slight innovations in the make-up of the paper this week. These may be only temporary. We hope that our advertising friends may be disposed to overlook the elimination of the free refer-

ence list, published each week heretofore under the title of "Business Directory." We feel that we can, at least during the summer months, find more profitable use for the space, which will not tend to lessen and may perhaps increase HORTICULTURE'S value as a publicity medium for the trade. And advice or suggestion from our advertisers or readers as to how in their opinion HORTICULTURE may be improved and its value to them increased during the coming season will be gladly received and very carefully considered by the publishers.

The Convention program

The program for the Convention next month of the Society of American Florists and Ornamental Horticulturists which we present in this paper presages a busy and, let us hope, very useful meeting. There is plenty that the big national organization can do now directly and through the medium of its affiliated auxiliaries to help the floricultural industries of the country to meet and overcome the many serious problems and untoward influences that harass and threaten their welfare in these days of world disturbance. Yet, even under these conditions it appears that the craze for constitutional tinkering has to again intrude and take up the precious time of the convention with "amendments." If there ever was an amendment proposed that did not amend, this proposition to remove the Secretary from his personal responsibility to and intimate touch with the membership of the society and make him merely an employee of the Executive Board instead of being the best informed executive officer of the Society, this is *the* one. We hope the convention will effectively vote down this ill-advised measure.

A momentous subject

"The Florists' Business in Its Relation to War Times" is a very timely topic which is listed for consideration at the afternoon session of the second day of the New York Convention. The great metropolis is a place of many allurements, hard to resist, and afternoon sessions have never in any place been conspicuous successes in drawing attendance from convention visitors. But it is to be hoped that the extreme importance of the subject to every one in any way identified with horticultural industry may on this occasion bring together a large representative gathering for a serious deliberation and counsel on the many new and perplexing problems and perilous dilemmas which have been forced upon us by the war situation. The subject is comprehensive enough to occupy the entire time of a convention and it may easily be made the most important and far-reaching feature of this year's deliberations. The selection of Robert Craig to open the discussion could not be improved upon. The silver-tongued philosopher can be depended upon to start something worth while and if the clear-headed and influential men of the various divisions of commercial horticulture in America are on hand to follow him the session will be a memorable one.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

Program of the Thirty-Third Annual Meeting,
August 21, 22, 23, 1917
Grand Central Palace, Forty-Sixth St. and Lexington Avenue,
New York.

First Day—Tuesday, August 21.

OPENING SESSION.

2 p. m.—Opening Exercises in Convention Hall.

Convention called to Order by George E. M. Stumpp, President New York Florists' Club.

Address of Welcome by Vice-President A. L. Miller.

Address of Welcome by Hon. John Purroy Mitchel, Mayor of New York; Response, Robert Craig.

President R. C. Kerr's address. Reading Minutes of Executive Board. Report of Secretary; Treasurer; Washington Representative; State Vice-Presidents; Standing Committees; Special Committees.

Discussion on Amendments to be voted on at evening session.

Miscellaneous Business; Judging of Trade Exhibits.

Consideration of Place of Meeting for 1919.

FIRST DAY—EVENING SESSION.

8.30 p. m.—President's Reception.

Amendments to Constitution and By-Laws to be voted upon:

To amend Article II, Section 2 (a)

"Sec. 2. Elections and Appointments—

"(a) The president, first vice-president, secretary and treasurer shall be elected by ballot at the annual meeting of the Society, and their term of office shall begin with the first day of January next succeeding the election."

by striking out the word "secretary"; and adding: "The secretary shall be elected by the directors at the annual mid-Lent meeting and shall serve for one year. (If amendment is approved, the secretary elected at the next mid-Lent meeting of the Board of Directors shall assume office January 1, 1919).

To amend Article III (b)

"GOVERNMENT, EXECUTIVE BOARD.

"Between the sessions of the Society its government shall be vested in an executive board, consisting of the president, junior ex-president, first vice-president, secretary, treasurer and the board of directors. A regular meeting of the board shall be held each year about mid-Lent, at the call of the secretary, upon such date as the president may direct, etc."

by striking out the word "secretary" in the third line, after "vice-president" and before "treasurer."

Balloting for Meeting Place for 1919. Polls open from 8.30 p. m. to 9.30 p. m.

Second Day—Wednesday, August 22.

MORNING SESSION.

10.30 a. m.—Nominations of Officers

for 1918; Report of Committee on President's Address; Report of Committee on Storm Damage Insurance. By A. Rassmussen, chairman.

AFTERNOON SESSION.

2.00 p. m.—Report of Committee on Publicity. By W. F. Therkindson, Chairman.

3.30 p. m.—"The Florists' Business in its Relation to War Times." Discussion opened by Robert Craig, Philadelphia.

Judging Exhibits at Convention Garden.

Third Day—Thursday, August 23.

MORNING SESSION.

10.00 a. m.—Election of Officers for 1918. Polls open 10.00 a. m. to 11.00 a. m. or until all in line have voted.

Question Box; Deferred business; Report of Judges of Trade Exhibition; Report of Judges of Convention Garden.

Third Day—Thursday, August 23.

AFTERNOON SESSION.

2.00 p. m.—Report of Committee on National Credits and Collections Bureau. By Patrick Welch, chairman.

3.30 p. m.—Report of Committee on Convention Garden. By Theodore Wirth, chairman.

4.00 p. m.—Report of National Flower Show Committee. By George Asmus, chairman.

SPECIAL MEETINGS.

First Day—Tuesday, August 21.

In Convention Hall, Grand Central Palace.

9.30 a. m.—Meeting of the Florists' Telegraph Delivery Association.

Second Day—Wednesday, August 22.

9.00 a. m.—Meeting of the Board of Directors of the American Carnation Society in Convention Hall.

4.30 p. m.—Meeting of the American Carnation Society, Convention Hall. All visitors invited to attend.

Third Day—Thursday, August 23.

11.00 a. m.—Meeting of the American Rose Society, Convention Hall. All visitors invited to attend.

LADIES' SOCIETY OF AMERICAN FLORISTS.

First Day—Tuesday, August 21.

The Headquarters of Secretary Mrs. Charles H. Maynard will be located

near S. A. F. Secretary Young's office in the Grand Central Palace, and will be open from 10.30 a. m. until 4.00 p. m. for the purpose of registration and payment of dues.

Second Day—Wednesday, August 22.

10.00 a. m.—Annual meeting of the Society.

Third Day—Thursday, August 23.

10.00 a. m.—An adjourned meeting of the Society will be held.

A WORD TO S. A. F. MEMBERS.

When you glance over the programme as published in this paper you will concede that the S. A. F. & O. H. is doing active work in the interests of the trade.

But it wants to do more—it isn't doing half enough.

It is up to you to help to make the organization more effective, and you can do it.

The Society cannot seek out your troubles. The quotation "Mahomet must come to the mountain—the mountain cannot go to Mahomet," although allegorical, just about fits the case.

You at times are in danger of becoming a victim to undesirable legislation; you begin to notice agitation for restrictions in your methods of operating your greenhouse boilers; you view with alarm proposed legislation by the Federal Government to curtail or prevent imports of plant stock, bulbs and seeds; express companies become remiss in the proper handling and despatch of your stock shipments; yet what can you do individually to obtain relief?

Such conditions as these are met by your Society, whose large membership makes it representative of the whole trade, thus giving it a power in its approaches not possible for an individual. Work already accomplished by the Society proves that there is strength to be found in unity, so bring your problems to the Convention; if you cannot possibly be present, communicate them to your Secretary, who will bring them before the Society for you.

You can also aid the Society and the trade by inducing some other florist in your vicinity to join the Society—a card to the Secretary will bring you the necessary entry blanks.

JOHN YOUNG, Sec'y,
53 W. 28th Street, New York.

HOTEL ACCOMMODATIONS.

For the accommodation of visitors at the convention of the Society of American Florists and Ornamental Horticulturists, the New York Committee of Arrangements has made a careful selection of hotels. A list of these hotels with a schedule of their rates follows:

HOTEL ALGONQUIN, 19 West 44th St.—Single, with bath, \$2.00. Double, with bath, \$3.00.

HOTEL ASTOR, Broadway and 144th St.—Single, with bath, \$2.00. Double, with bath, \$3.00. Single, without bath, \$1.00. Double, without bath, \$2.00.

BELMONT, 170 Ave. and 141 St.—Single, without bath, \$2.50. Double, with bath, \$5.00. Single, without bath, \$2.00. Double, without bath, \$3.00.

BELMONT, Madison Ave. and 43d St.—Single, with bath, \$3.00. Double, with bath, \$4.00.

BRISTOL, 122 West 40th St.—Single, Euro., \$1.50-\$2.00; Amer., \$3.00-\$3.50. Double, Euro., \$2.00-\$2.50; Amer., \$5.00-\$5.50. (Every room with private bath.)

FLANDERS, 133 West 47th St.—Single, with bath, \$1.50-\$2.50. Double, with bath, \$2.50-\$3.00.

HOTEL LONGACRE, 157 West 47th St.—Room, without bath, \$1.00. Room, with bath, \$1.50-\$2.50.

MANHATTAN, Madison Ave. and 42d St.—Single, without bath, \$2.50. Single, with bath, \$3.00-\$5.00. Double, without bath, \$4.00-\$8.00.

McALPIN, Broadway and 30th St.—Single, without bath, \$2.00-\$3.00. Single, with bath, \$2.50. Double, with bath, \$4.00-\$7.00.

SOMERSET, 150 West 47th St.—Single, without bath, \$1.00-\$1.25. Single, with bath, \$1.50-\$2.00. Double, with bath, \$2.00-\$2.50.

WALLICK, Broadway and 13d St.—Single, without bath, \$1.50-\$2.00. Single, with bath, \$2.00-\$2.50-\$3.00. Double, without bath, \$2.50-\$3.00. Double, with bath, \$4.00-\$5.00-\$6.00.

WEBSTER, 40 West 45th St.—Room and bath, 1 person, \$3.00. Room and bath, 2 persons, \$3.50.

WOODSTOCK, 43d St., near Broadway—Single, without bath, \$2.00. Single, with bath, \$2.50-\$3.00. Double, without bath, \$3.00. Double, with bath, \$3.50-\$4.00.

HOTEL WOODWARD, Broadway and 55th St.—Single, with bath, \$2.00-\$2.50. Double, with bath, \$3.00-\$3.50. Single, without bath, \$1.50-\$2.00. Double, without bath, \$2.00-\$2.50.

Write anyone of the hotels in the list, stating explicitly what you desire in the way of accommodations and ask them that reservations be made. You will receive prompt and courteous reply.

All of the hotels listed are convenient to the Grand Central Palace, the exhibition building in which all of the sessions of the convention will be held and where registration headquarters will be located.

As some of these hotels will be quite busy at the time of the convention, it is urgently recommended that reservations be made in advance.

W. A. SPERLING,
Sec'y Hotel Com.

"BUSINESS AS USUAL."

When the war with Germany began the first doctrine preached was that of economy. The immediate result of that was a violent contraction in certain cases, and a limitation of purchases on the theory that in no other way could the problems of the war be met. Fortunately, there have been clear-headed men who have undertaken to preach the gospel of "business as usual," pointing out the dangerous effects of unnecessary economy. The time has not passed when this propaganda should be permitted to lapse.

DAHLIA FARMING IN MARYLAND.



The accompanying pictures show Dahlia planting on a large scale as done on the dahlia farm of R. Vincent, Jr., & Sons Co. at Whitmarsh, Md. The tractor is preparing the ground. Afterwards the planter follows with three men on it; one drives the two

hand. They average about 20,000 two-inch pot dahlia plants per day, and have done the same with three-inch canna plants. With the shortage of labor they find this a great labor saver and the tractor a great horsepower saver, as it will do what it



horses keeping them in line and the two men sitting low put the plants in, one setting one plant, the other man setting the next, etc., alternately. The machine marks the next row off as they go along, opens the trench, and as the men set the plants presses them as good or better than it can be done by

would take from four to six horses to accomplish and only one man is required, where with horses from two to three men would be required. Messrs. Vincent say that they are having a very wet season and stuff planted out is suffering for dry weather and sunshine.

There must be preached continuously the necessity not only of business as usual, but business better than usual, and the necessity of rational economy only.

It is unreasonable or irrational economy which is dangerous, but there is difficulty sometimes in distinguishing between what is rational and what is unnecessary or irrational. If the people of the country are to reduce their buying or their expenses ten, fifteen, twenty or twenty-five per cent. there will be a sharp contraction which will have a serious effect on industry and indirectly on themselves. Unfortunately, there is always a tendency among the moneyed class to economize even before the middle class or poorer people begin to do so, and it is these persons who have money to spend who should set the example of continuing their normal ways of living.—*The Industrial Economist*.

A PANSY SEED FARM.

Charles Frost, the pansy specialist, of Kenilworth, N. J., is now harvesting his seed—that is, when the weather is dry enough, which has been but seldom of late. He employs six or eight pickers at this season. The

seed pods are put in flour bags, all carefully tagged and suspended in long ranks from clothes lines to dry. It is quite a sight to see the quantities of seed, many bushels at a time, passing through the drying process, after which they go through a cleaning and sifting machine which separates the fine plump seeds from the inferior. Great care is exercised to keep strains, varieties and colors pure in the process of growing, selection and gathering. Mr. Frost has built up a tremendous business in his specialty, not only by his cultural care and business integrity, but also by the influence of a sunny disposition and ever-considerate courtesy towards all with whom he comes in contact. He has many customers among HORTICULTURE readers.

Newport, R. I.—Because of war times, the Newport Garden Club, headed by Mrs. Charles F. Hoffman, of New York, has abandoned the annual flower show intended to be the big feature in their new home on Bellevue avenue. Instead little shows will be held from time to time with a series of lectures for the benefit of the Red Cross. Norman Taylor, of the Brooklyn Botanic Garden will open the lecture season in August.

CLUBS AND SOCIETIES

MASSACHUSETTS HORTICULTURAL SOCIETY.

The classes of the schedule of fruits of the Massachusetts Horticultural Society, postponed from July 7 were exhibited at the Horticultural Hall, Boston, on Saturday, July 21. They consisted of cherries, currants, gooseberries and raspberries which were well competed for. There was also a noteworthy showing of flowers. Wm. N. Craig of Faulkner Farm, Brookline, made an attractive exhibit of seasonable flowering plants among which were finely grown specimens of *Trachelium caeruleum* and the var. album, *Verbascum olympicum*, *Lilium speciosum album*, melpomene, and candidum, *astilbe*, *gaillardia* and hollyhocks.

William Anderson, superintendent of the Bayard Thayer estate at Lancaster, exhibited the new Chinese *Lilium Thayerae*, one of Wilson's discoveries. This is the first time this lily has been exhibited at Horticultural Hall. It is perfectly hardy and one of the specimens shown had twenty-one flowers and buds on the plant. It was awarded a silver medal. William C. Winter of Mansfield and Dr. W. G. Kendall of Atlantic were awarded first and second prizes respectively for hollyhock blooms.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The monthly meeting of this society was held July 13th. The committee reported that \$190 had been given to the Red Cross from the proceeds of the show at Rye. It was decided to hold the fall show at Greenwich under the auspices of the Red Cross and a committee was appointed to make arrangements accordingly. John Orr and James Linaine were selected to complete arrangements for the annual outing at Rye Beach some time in August.

There were some fine exhibits. Alex. Smith won 1st for most meritorious exhibit also a cultural certificate. His exhibit was a fine plant of *Trachelium caeruleum*. 2nd prize went to Wm. Graham who was highly commended for his exhibit of *Francoa ramosa*. James Stuart 3rd and highly commended for *Lilium regale*. Daniel Pastora hon. mention for tomatoes, and Alex. Clarkson the same for delphiniums. John Andrews a vote of thanks for *Galium Darum*.

Frank Murray, representing Farquhar, Boston, and a representative of Joseph Breck & Sons, each said a few words.

ALEX. CLARKSON.

FLORISTS' HAIL ASSOCIATION OF AMERICA.

A meeting of the Florists' Hail Association will be held on Monday afternoon, August 20, at the Robert Treat Hotel, Newark, N. J., at which time and place action will be taken on the proposed amended constitution and by-laws of the Association. This will be the annual meeting and directors

will be elected and reports of officers received.

FLORISTS' TELEGRAPH DELIVERY ASSOCIATION.

Two important meetings for F. T. D. members will be held.

The first one will be a "get together meeting" during the S. A. F. Convention at New York on Tuesday morning, Aug. 21, 9 A. M. sharp. At this meeting suggestions and general discussion of new problems beneficial to the F. T. D. will be brought up, also a preliminary program for our October business meeting at Detroit, Mich., will be laid out.

Our annual business meeting and election of officers will take place in Detroit on Tuesday and Wednesday, Oct. 2 and 3, at 9 A. M. sharp. All officers, directors and district representatives should attend a meeting on Monday afternoon and evening of Oct. 1, to arrange the final program for the two days' session. Every one of the district representatives must send in a report on F. T. D. work on their respective localities.

Any member who can not attend this meeting and feels that he has some good suggestions, should make them in writing. Your Secretary also wishes to be informed whether you will be able to attend this meeting or not.

From and after Aug. 1 our new By-Laws and Constitution will go into effect, also our new schedule of dues, etc. Of course, all members up to this date will not be called upon to pay any more into the Guarantee Fund, but their annual dues will change according to the new schedule.

Yours for better and more efficient service to the public as well as from Florist to Florist, also for the biggest and most beneficial F. T. D. meeting at Detroit, Oct. 2 and 3, I am,

Your Secretary,

ALBERT POCHELON.

CLUB AND SOCIETY NOTES.

The Advance Prize List for the Flower Department of the 77th Annual New York State Fair to be held at Syracuse, September 10-15, has been received. David Lumsden, Ithaca, is superintendent and copies of the schedule, which is very comprehensive and liberal may be had on application to him.

The Andover Florist and Gardeners' society is arranging an exhibition, and this year vegetables will have the preference, although provision will be made for flowers also. No money prizes will be awarded for flowers or vegetables this year.

The committee is planning to award ribbons to the winners of the community garden exhibitors and amateur gardeners who have planted new land this year are eligible to enter contests. The exhibition will be in Town hall. Date has been put back one week in order to allow the garden products a better chance. Friday and Saturday, Sept. 14 and 15 are the days.

PITTSBURGH FLORISTS' AND GARDENERS' CLUB

Report of the Publicity Committee

On the morning of July 18 about 100 members of the three Florists' and Gardeners' Club of Allegheny County "foregathered" in the Phipps Conservatories, West Park, N. S., Pittsburgh, and in twenty autos spent a most enjoyable day visiting the parks, cemeteries, Country Club and the East End places of Messrs. W. L. Mellon, A. W. Mellon, R. B. Mellon, C. D. Armstrong, T. M. Armstrong, H. C. Frick, W. H. R. Hilliards, H. D. Hailman, H. J. Heinz, D. M. Clemson, M. L. Benedum, T. D. Barnsdell and Berthold Frosch.

Pittsburgh's vegetation never looked so fresh, clean and luxuriant within the memory of our eldest; war gardens everywhere, and flourishing too; cucumbers, melons, grapes, figs and nectarines where used to grow palms, ferns and other tropical plants; potatoes, cabbage, beans and other edibles in place of velvety greensward; showing the H. C. L. is affecting all members of our community.

But the high spots of the trip were fancy-leaved caladiums, water lilies, tender and hardy, "Bride's Tears," *Clerodendron Balfouri*; a bridge path right in the metropolis reminding one of a road in the Laurentians; strawberries, stanhoepa, cyripedium, catasetum, *Miltoia vexillaria*. *Medinella magnifica*, *Begonia Lafayette* in a bed, fuchsias, bald cypress, paulonia, *Spirea Lindleyana*. A splendid specimen of the *Salix* family brought forth comments on an article in the last issue of the "Bulletin of Popular Information," anent the money made out of willow wood for cricket bats in England before the war; "a piece of land bought for \$250.00, on which in sixteen years willows of this variety—*Salix alba caerulea*—were grown, which sold for \$10,000.00."

A garden in the formal English style—and the alpine-like garden of Mr. Frosch and its delightful little tea house with windows of various colored glasses were very interesting.

The noonday meal served on the C. D. Armstrong place was a success in every way, showing the skilled touch of some of our best halves for which they were complimented and thanked by all the partakers, also in neat little speeches by the president of the entertaining club and the president of the Sewickley Club. By the way, the gathering fairly bristled with presidents. There were the presidents of the Pittsburgh Florists' and Gardeners' Club, Horticultural Society of Western Pennsylvania, Horticultural Society of Sewickley, Botanical Society of Western Pennsylvania, Pittsburgh Cut Flower Co., The McCallum Co.

The last place visited was one of the best kept cemeteries on this Continent, on which we descended like the Assyrian of old, and like him melted away.

NEIL MCCALLUM

During Recess

Gardeners' and Florists' Club of Boston.

The annual picnic of the Gardeners' and Florists' Club was held at Cunningham Park, East Milton, on Wednesday, July 12. It was one of the most successful ever enjoyed. The weather was delightful and the attendance was close to five hundred of whom considerably more than one-half were women and children. The games were all pulled off without a hitch. At the close the trophies were distributed to the winners by President Methven, who made a neat little speech, as did also Ringmaster W. J. Kennedy. The winners in the 28 events were as follows:

The Winners.

Baseball. Commercial Growers vs. Private. Captains, George B. Palmer, Commercial; William J. Hiffe, Private. Won by the Commercial; score, 15-3.

Baseball. Boys. Captains, Malcolm Craig and Jack Duguid. Won by Craig team; score, 15-3.

Quilts. Captain, George Melvin. 1st, Fred'k Cave; 2nd, Walter S. Brown; 3rd, Duncan Finlayson.

Baseball. Married vs. single ladies. Captains, Mrs. James F. Coles and Miss Elsenhardt. Won by the single ladies; score, 17-2.

75-yard race, girls 12 to 15 years. 1st, Doris Bartsch; 2nd, Alice Brown.

50-yard race, boys under 8. 1st, Chester McCarthy; 2nd, Geo. Gray.

50-yard race, girls under 8. 1st, Dorothy Coles; 2nd, Lillian Withington.

75-yard race, girls 10 to 12. 1st, Marian Hiffe; 2nd, Margaret Gray.

75-yard race, boys 10 to 12. 1st, Norman Craig; 2nd, D. Pederzina.

50-yard race, boys 8 to 10. 1st, Nelson Bartsch; 2nd, Graham Wynn.

50-yard race, girls 8 to 10. 1st, L. Rogers; 2nd, Ethel Gray.

100-yard race, boys 12 to 15. 1st, Prescott Whyte; 2nd, Donald W. Rust; 3rd, Thomas Roland.

100-yard race, men over 30. 1st, Mathew Brown; 2nd, Thos. S. Brown; 3rd, F. E. Palmer.

75-yard race, married ladies. 1st, Mrs. Jas. F. Coles; 2nd, Mrs. J. F. Flood.

75-yard race, girls 15 and over. 1st, Edith Hiffe; 2nd, Margaret Hiffe.

100-yard race, boys 15 to 18. 1st, Victor Heurlin; 2nd, Chas. Esty.

100-yard race, club members, 3 heats; final heat. 1st, W. J. Hiffe; 2nd, C. A. Stelberger.

Flag race, girls. 26 entries, 4 heats; final heat. 1st, Doris Bartsch; 2nd, Margaret Gray.

Potato race, boys under 15. 1st, Thomas Roland; 2nd, Carl Christensen.

75-yard race, girls 15 to 18. 1st, Susan Rogers; 2nd, Margaret Hiffe.

100-yard race, men 175 lbs. and over. 1st, James Methven; 2nd, Arthur E. Miles.

Sack race, boys under 16. 1st, Nelson Bartsch; 2nd, Prescott Whyte.

Football (Soccer). Captain, John Miller. Score, 2-0.

50-yard race, boys under 12. 1st, Marion Flood; 2nd, Marian Hiffe; 3rd, Dorothy Coles.

50-yard race, boys under 12. 1st, James Donald; 2nd, Norman Craig; 3rd, Thos. Craig, clerk.

W. J. Kennedy was ringmaster, Peter M. Miller starter, and W. N. Craig, clerk.

San Francisco florists are looking forward to the annual picnic in August under the auspices of the Pacific Coast Horticultural Society.

The Bridgeport Florist Club is planning for an outing and "sheep roast" to be held at an early date which has not yet been announced.

The Kentucky Society of Florists will have their annual outing in latter part of August, date to be announced later. August Baumer of Louisville is secretary.

The Toledo (O.) Florists' Club held a very enjoyable picnic at Ottawa Park on July 10. There was an automobile parade, games and dancing and altogether the affair was a pronounced

The New Orleans Horticultural Society held its annual outing at Lake Ponchartrain on July 11. It was a very happy occasion, due largely to the efficient work of the committee of which Joseph Heckler was chairman.

The Hartford (Conn.) Florists' Club had an outing on Saturday, July 14, on invitation of the president, J. F. Coombs, which was greatly enjoyed by the members. Athletic games were indulged in and prizes awarded to the winners.

A LATE SEASON FOR ROSES.

To the Editor of HORTICULTURE:

Dear Sir:—In Mr. Fewkes' notes of the Rose and Peony Show he mentions the lack of a good display of fine roses as in years gone by. It seems to me there are several reasons for this condition.

This year, although the date of Show was advanced one week it was still a week too early to get the best results, as the season was so late. As with me no doubt there were other exhibitors whose stock was not in condition to show. With seventy-five varieties of climbing roses, twenty-five of which are early bloomers I was unable to exhibit for lack of material, and these same varieties took a silver medal last year at Horticultural Hall. There are fewer H. P. roses grown now than in former years as the H. T. and climbers are slowly but surely forging to the front, especially since the introduction of better and hardier varieties, and in the case of climbers the large flowered, early bloomers are not to be ignored.

A. J. FISH.

New Bedford, Mass.

Obituary

Alice J. Miller.

Miss Alice J. Miller, a retail florist at 225 W. Jefferson street, Louisville, Ky., passed away on July 9, with heart disease.

Ed. Herman.

Ed. Herman, of Baltimore, who has been a sufferer from Bright's disease for a considerable time died on July 17. Mr. Herman was in the florist trade many years at 2501 E. North avenue.

Ludwig Teweles.

Ludwig Teweles, senior member of the seed firm of L. Teweles & Co., 113 Clybourn street, Milwaukee, Wis., died on July 8, an attack of heart disease being the cause. He is survived by five sons and one daughter.

H. B. Buck.

H. B. Buck, in the employ of W. E. Marshall & Co., seedsmen, West 23rd street, New York, died on Saturday, July 21, aged 29 years. He was buried with Masonic rites at Kensica cemetery on July 24. Masonic funeral services were held on the previous evening, about thirty friends being present. All Mr. Buck's relatives are in England.

Plant Propagation, Greenhouse and Nursery Practice

By M. G. KAINS

We have had many inquiries from time to time for a reliable and up-to-date book on plant propagation, but were always at a loss to find any publication that we could recommend. The subject has been dealt with in fragmentary manner only in books that have come to our notice. So it is well that this new work has been issued, especially as it is both comprehensive and practical, and it should meet with a ready sale among plantmen, nurserymen and gardeners. There are nineteen chapters covering in detail topics of germination and longevity of seeds, propagating by buds, layering, cuttings, grafting, etc., fruit tree stocks, clones, etc., and there are eight pages of condensed cultural instructions in tabulated form, covering annuals and perennials from seed, woody plants, evergreens, vines, bulbs and tubers, greenhouse and house plants, ferns, palms, water plants, orchids and cacti. The illustrations are numerous, comprising 213 figures and halftone plates. There are 322 pages well bound and on heavy paper, teeming with helpful information. It is a book which no cultivator can afford to do without. It is worth many times its price. Copies can be supplied from the office of HORTICULTURE at publisher's price, \$1.50.

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PUBLICATIONS RECEIVED

The Fumigation of Greenhouses is the subject treated by E. N. Cory in Bulletin 205 of the Maryland Agricultural Experiment Station. Records are given of many experiments on flower and vegetable crops under varying conditions. The following summary of various doses of cyanid on plants as listed will be found instructive:

Summary of the Effect of Various Doses on Plants.

Tomatoes:—Tomatoes will be injured by a dose stronger than $\frac{1}{8}$ of an ounce of potassium cyanid to the 1,000 cubic feet air space, in a day fumigation under the conditions given above. They will stand at least $\frac{3}{8}$ of an ounce in a night fumigation.

Snapdragons:—Snapdragons will stand $\frac{1}{8}$ of an ounce in day fumigation and $\frac{3}{8}$ of an ounce at night.

Roses:—The young shoots of roses will be injured by a dose stronger than $\frac{5}{16}$ of an ounce in both night and day fumigation. The older leaves will be injured by a dose stronger than this in the day but will stand $\frac{3}{8}$ of an ounce at night.

Chrysanthemums:—The tender tips of chrysanthemums will not be injured by $\frac{3}{8}$ of an ounce night fumigation. This dosage used in the day time will injure the plant.

Carnations:—Carnations will stand $\frac{3}{8}$ of an ounce.

Lily of the Valley:—The flowers of these plants will not be injured by a dose of $\frac{3}{8}$ of an ounce, and the leaves will not be injured by a dose of $\frac{7}{16}$ of an ounce.

Asparagus plumosus:—A dose of $\frac{3}{8}$ of an ounce will not injure the tips of these plants.

Lantanas:—Lantanas will stand a dose of $\frac{5}{8}$ of an ounce without injury in a night fumigation, but will be injured by a dose stronger than $\frac{5}{16}$ of an ounce in a day fumigation.

Cyclamen:—Cyclamen will not be injured by a dose of $\frac{1}{2}$ ounce in a night fumigation.

Ferns:—The tips of ferns will not be injured by a dose of $\frac{7}{16}$ of an

ounce. A higher dosage than this will injure the tips and white spots will be produced in the leaves.

Geraniums:—A dose of $\frac{1}{2}$ of an ounce will not injure these plants. The injury by larger dosages is evidenced by yellow spots on the leaves.

Asparagus sprengeri:—A dose of $\frac{1}{2}$ of an ounce can be used without injury to these plants.

Lettuce:—Lettuce will not be injured by $\frac{3}{16}$ of an ounce. Just what dosage it will stand was not determined, because the conditions were not favorable for growing lettuce.

Coleus, hybiscus, crotons, begonias, pansies, hyacinths, scarlet sage, palms and radishes will stand a 1 ounce dosage without injury.

Summary of the Effect of Various Doses on Insects.

Aphids:—Nectarophora rosae Linn. and N. chrysanthemicolens Will. and most other aphids will be killed with $\frac{3}{16}$ of an ounce of potassium cyanid to the 1,000 cubic feet.

Thrips:—The greenhouse thrips, Euthrips haemorrhoidalis Bouche will be killed with $\frac{1}{2}$ of an ounce. Repeated fumigations with $\frac{7}{16}$ of an ounce will also kill them.

Mealy bug:—Mealy bugs, Pseudococcus citri Risso, which are not in masses will be killed by $\frac{1}{2}$ of an ounce. Repetitions of this dosage will kill all bugs even in masses.

Red spider:—Some red spider, Tetranychus telarius Linn. will be killed by $\frac{1}{2}$ ounce and repeated fumigations will probably kill all.

Scale:—The scales, Saissetia hemisphaerica Targ. and Coccus hesperidum Linn. on palms and crotons were killed by one (1) ounce dose.

White fly:—The greenhouse white fly, Aleurodes vaporariorum West. was killed by a dose of $\frac{3}{16}$ of an ounce in night fumigation.

In fumigating with the doses recommended above, the foliage should be dry, and atmosphere as dry as possible.

Temperature is the most important factor as demonstrated by these results. Plants should be fumigated in a house with as low a temperature as is consistent with good cultural practice and in absence of light.

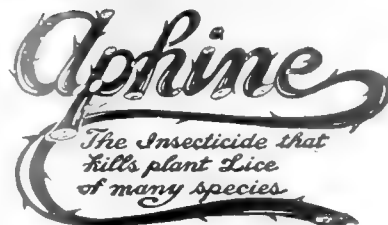
The Brooklyn Botanic Garden Record for July contains the addresses delivered at the dedication of the new Laboratory Building and Plant Houses and other papers of much interest. It is edited by C. Stuart Gager.

Transactions of the Massachusetts Horticultural Society for the year 1917, Part 1. The Transactions of the Society are issued annually in two parts. The present issue covers the period from January 1 to June 30, 1917, and comprises the account of the inaugural meeting and the horticultural lectures in full as delivered in the winter course.

CATALOGUES RECEIVED.

John Lewis Childs, Flowerfield, N. Y.—Fall Folder for 1917. Gladioli, Irises, Peonies, Lilies, etc.

Elizabeth Nursery Co., Elizabeth, N. J.—Illustrated Price Sheet of Novelties and Specialties.



The Recognized Standard Insecticide.
A spray remedy for green, black, white fly, thrips and soft scale.
Quart, \$1.00; Gallon, \$9.50.

FUNGICINE

For mildew, rust and other blights affecting flowers, fruits and vegetables.
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 $\frac{1}{2}$ Gallon, \$1.25; Gallon, \$3; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50.
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SEED TRADE

A DISASTROUS TAX MEASURE.

An Chairman of the Postal Laws Committee of the American Seed Trade Association, W. F. Therkildson calls our attention to a clause which appears in the new War Revenue Bill now before Congress, which is known as House Resolution 4280. This clause reads as follows:

PARCEL POST PACKAGES.

Upon every parcel or package transported from one point in the United States to another by Parcel Post, a tax of one-cent for each twenty-five cents or fractional part thereof charged for such transportation shall be paid by the consignor. No such parcel or package shall be transported until a stamp representing this tax shall have been affixed.

It would seem that this clause imposes a minimum tax of one cent on all parcel post packages. It has been construed by the Post Office Department as a tax on all catalogs, booklets and pamphlets that contain more than twenty-four pages. Mr. Therkildson writes as follows:

"You can see that this is a disaster in-so-far as any house that mails catalogs is concerned, for, notwithstanding the fact that catalogs are third-class matter they are handled under fourth-class mail provisions, except that they have the rate of two ounces for one cent up to and including eight ounces; beyond that weight they are handled as Parcel Post, and if this new opinion of the Post Office Department becomes practice, it seems that every catalog you or I or any one else sends out will have this war tax stamp affixed to each bag, envelope or container. If you are mailing a one-cent catalog your postage will be decreased 100 per cent.; if a two-cent catalog, 50 per cent. and so on.

The worst feature is that it kills all the advantage of the present Permit System of paying the postage in bulk. All of us must of necessity rehandle our catalog bags twice in order to affix this tax stamp.

We believe that this is an unjust tax, as the Government is taxing the means by which business is created. It also precludes the possibility of the distribution of much catalog matter which in turn produces an enormous first-class mail, money order and parcel post business.

It is something that should have the opposition of every business man, and every line of business. It is a direct blow to the industry of paper making, printing, lithographic business, color printing business, ink business, and many lines that have a bearing on catalog construction, and it certainly will hit every house that publishes a catalog or advertising of any kind that has more than twenty-four pages."

We urge upon our readers the advisability of immediately filing with their Senators and Representatives, a protest against this provision. The bill is liable to receive favorable consideration almost any time now.

A. G. HECHT.

Appointed Head of Department of Floriculture at Amherst.

A. G. Hecht, first assistant in the Floricultural Experiment Station and instructor in Floriculture in the College of Agriculture of the University of Illinois, has been chosen to fill the position of Head of the Department of Floriculture in the Massachusetts Agricultural College, Amherst, Mass.

Mr. Hecht is a graduate of the University of Illinois and was one of the first to receive a degree in Floriculture. He is a man well qualified to fill the position. During his term of service at the University of Illinois, he has made many friends. His ability, frank open-hearted sincerity in his endeavors to be of real service to all students who came into his classes, have made him very popular with the student body. He has also the hearty endorsement of the Department of Horticulture and College of Agri-



A. G. HECHT.

culture, to every member of which he has become a friend.

Mr. Hecht was born in Overland, Mo. He was educated in the public schools in St. Louis County. After leaving school, he worked for some time with his brother, C. Hecht, who has a florist establishment near St. Louis and is the only other member of the family in the profession. It was with the idea of becoming more efficient in the florist's business that Mr. Hecht entered the University of Illinois in 1910 as a special student in Floriculture. Professor Dorner, recognizing the worth of the young man, induced him to matriculate and take the four year course. After graduating, he was ap-

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Black Blue	.40	2.25
Emperor William, blue	.40	2.25
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Violet	.40	2.25
Pheasant, blue, claret and white	.40	3.00
Snow Queen, pure white	.40	2.25
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pointed instructor in Floriculture and was placed in charge of the green-houses.

Every one who knows him is confident that he will give a good account of himself in his new field and will be a credit to "Illinois." He is a member of the Illinois State Florists' Association and the S. A. F. and O. H., and is keenly interested in all matters pertaining to Floriculture.

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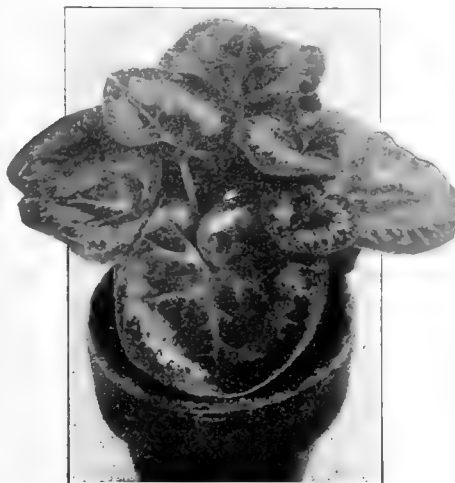
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Fordhook Pink and White This is the most popular color in early-flowering Sweet Peas. It is similar to the old Blanche Ferry, having a bright rosy-pink standard with creamy white wings, lightly suffused rose. The immense flowers often measure fully two and one-half inches in diameter, while the form is perfect, the beautifully waved blooms being carried on stiff stems of great length, usually in threes and often fours.

Awarded Certificate of Merit at The International Show, New York, March 20, 1915; Spring Show of the Pennsylvania Horticultural Society, Philadelphia, March 23, 1915, and the American Sweet Pea Society, San Francisco, June 9, 1916. $\frac{1}{2}$ oz., 75 cts.; oz., \$1.25; lb., \$12.50.

Yarrowa We first exhibited this novelty at the 25th International Flower Show in New York, March, 1914, where we were awarded a Certificate of Merit by The American Sweet Pea Society. From seed sown in October at Fordhook Farms the

Burpee

NEW

With a keen appreciation of the splendid began crossing the Spencer Flowering Sweet Peas have been using that magnificent Australian

We now offer with the greatest confidence improvement on our various colors.

From sowings made under glass in August by Christmas. If grown in the open they continue to bloom quite as long as that time

plants came into bloom December 20, and bloomed profusely until May. The color is a bright rose pink with a clear, creamy base. **Flordale** Grown Seed exclusively. Oz., 80 cts.; lb., \$8.00.

Burpee's Early Snowstorm

We consider this truly magnificent pure white variety to be the best of the white seeded Early-Flowering Spencers yet introduced. The flowers are of great size and substance, beautifully waved, and are borne in great profusion. The stems are long, usually carrying three or four flowers which are well placed. **Snowstorm** is an appropriate name, as the plants become a perfect mass of snow white flowers. Pkt. (12 seeds), 25 cts.; less one-third.

Burpee's Early Enchantress The flowers are immense in size, measuring two and one-half inches in diameter, they are exquisitely waved or frilled, well placed on stiff stems, and usually produced in threes or fours. The color is most attractive and pleasing. It is a bright rose-pink, becoming deeper toward the edges of standard and wings, gradually softening in tone toward the center of the flower. Awarded Certificate of Merit by The American Sweet Pea Society, San Francisco, June 9, 1916. $\frac{1}{2}$ oz., 75 cts.; oz., \$1.25; lb., \$12.50.

Burpee's Early Pink Beauty The color is on white ground, richer toward the soft rosy-pink edges, gradually softening in color as it reaches the center of standard and wings. The flowers are of great size, beautifully waved and finely placed on the immense stems, which usually carry three or four of the magnificent blooms. Awarded Certificate of Merit at The International Show, New York, March 20, 1915; the Spring Show of The Pennsylvania Horticultural Society, March 23, 1915, and The American Sweet Pea Society, San Francisco, June 9, 1916, when exhibited as Fordhook Countess. $\frac{1}{2}$ oz., 85 cts.; oz., \$1.50; lb., \$15.00.

Burpee's Early

being suffused soft pink, and being distinctly plicate, immense size and great substance, usually produced in threes. Awarded a Certificate of Merit at the Pennsylvania Horticultural Society, Philadelphia, March 23, 1916.

Burpee's Early

of great size, perfect in diameter, and are borne on strong stems of great length. Awarded Certificate of Merit at The International Show, New York, March 20, 1915, and The Pennsylvania Horticultural Society, Philadelphia, March 23, 1915, and the American Sweet Pea Society, San Francisco, June 9, 1916.

Burpee's Primrose

deep primrose, flushed with pink, of great size and splendid in true Spencer form. Awarded Certificate of Merit at the Spring Exhibition of the Pennsylvania Horticultural Society, Philadelphia, March 23, 1916. oz., \$1.50; lb., \$15.00.

Fordhook Pink

flowers are of large size, produced in threes and often fours. In full light it is particularly brilliant. \$8.50.

Burpee's Early

special Silver Medal awarded at the International Show in New York, March 20, 1915. Certificate of Merit at the Pennsylvania Horticultural Society, Philadelphia, March 23, 1915. Black seeded. $\frac{1}{2}$ oz.,

W. Atlee Burpee & Company has long been famous as America's Novelties listed above, we are in a position to supply a wonderful Spencer Type into America, and such famous varieties as and many others. All our introductions serve to justify our claim that themselves of exceptional value are offered to our customers.

SEND US A LIST OF YOUR

W. ATLEE BURPEE

Seed Growers

s Sweet Peas

Y OR WINTER FLOWERING SPENCERS

the Sweet Pea, and particularly of New Early Winter Flowering or Long Season Spencers, we in the Early or Winter Flowering Grandiflora as far back as the Summer of 1909. Later we "Yarrowa," to a great extent in our crosses.

and Novelties listed below. These are all true, thoroughly fixed in type, and are a great im-

be flowered in time for Thanksgiving. September sowings will produce the finest of flowers several weeks ahead of the Standard or Summer Flowering Spencers, and with proper treatment

he color is white, ie entire flower the edges, which A flower of im- fully waved and be longest stout by The Pennsylv- ing Show, Phila- ., \$1.25; lb., \$12.50.

ag, rich, bright The flowers are fully two inches in three and four Awarded Certificate of Merit at The International Horticultural Society, Philadelphia, March 23, 1915. 1/2 oz., 75 cts.; lb., \$12.50.

n attractive and pleasing shade of e flowers are of eautifully waved ate of Merit at lvania Horticul- 1/2 oz., 85 cts.;

of pink suffused throughout. The ved, and usually ms. Under arti- oz., 85 cts.; lb.,

truly magnificent was awarded a the great Inter- . 1915, also Cer- the Pennsylvania March 23, 1915. lb., \$15.00.

Fordhook Rose This lovely variety is a charming shade of rosy carmine. The flowers are of largest size and usually borne in threes and fours on long stiff stems. Awarded Certificate of Merit at The International Show, New York, March 20, 1915, and at the Spring Show of The Pennsylvania Horticultural Society, Philadelphia, March 23, 1915. 1/2 oz., 75 cts.; lb., \$12.50.

Burpee's Early Sweet Briar A most distinct and charming variety. The flowers are of good size with great substance and usually borne in threes and fours. Color, a lovely shade of pink throughout, but with a soft salmon or amber suffusion, this being more accentuated in the younger flowers and buds. Somewhat similar in color to the Summer flowering Elfrida Pearson. A very strong grower and most floriferous. We anticipate Sweet Briar will become one of the most popular of this splendid type. Awarded Certificate of Merit by the Pennsylvania Horticultural Society, March 23, 1917. Pkt. (20 seeds), 25 cts., less one-third.

Burpee's Early Lavender King A first class lavender has been much wanted in this type, therefore, we have much pleasure in offering the new Lavender King. This glorious new variety is a rich true deep lavender throughout. Similar in color to the Summer flowering varieties, Burpee's Orchid and R. F. Felton. The flowers are of large size, beautiful, true waved form and borne in threes and fours on stems of great length. Certain to become a favorite with the market grower and amateur alike. Awarded Certificate of Merit at the International Show, New York, March 20, 1915. The Pennsylvania Horticultural Society, March 23, 1915. Pkt. (20 seeds), 25 cts., less one-third.

Burpee's Rosy Morn A magnificent flower of great size and substance. Flowers grown under ordinary field culture have measured fully two inches in diameter. The color is a pleasing shade of rose with crimson-scarlet standard, while the immense flowers are usually borne in threes or fours on stiff, long stems. oz., 85 cts.; lb., \$8.50.

Burpee's Early Lavender King

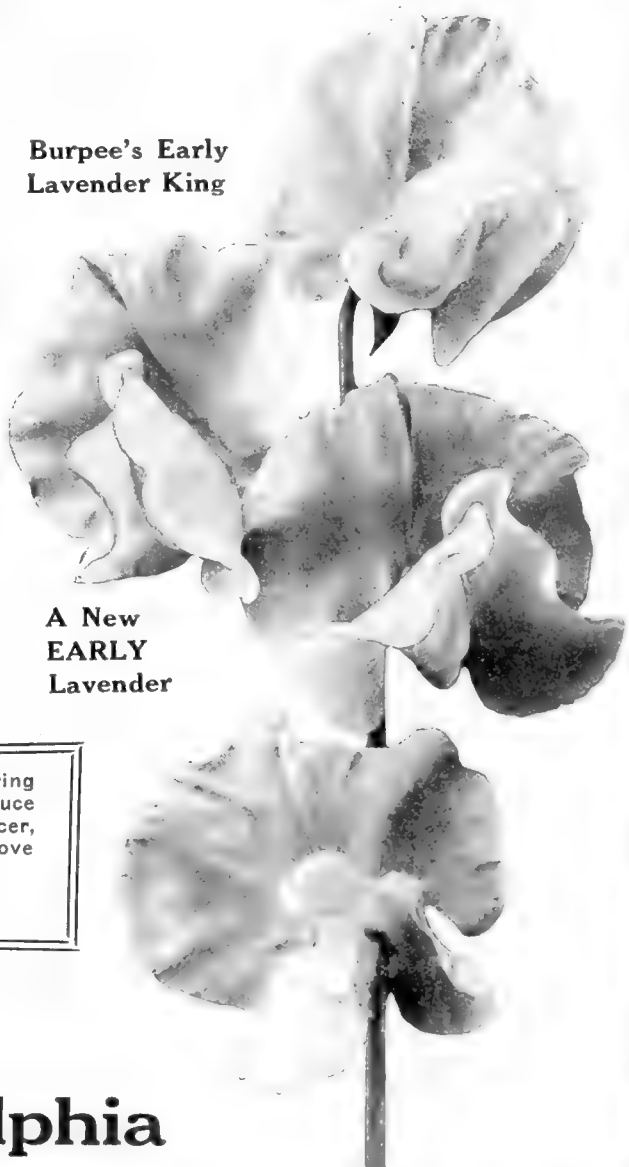
A New EARLY Lavender

s for Sweet Peas and in addition to the Early or Winter Flowering dard or Summer Flowering Spencers. We were the first to introduce ery Cross, Primrose Spencer, Apple Blossom, King Edward Spencer, year many new varieties are tried out, but only those which prove

ENTS FOR SPECIAL QUOTATION

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ALEX. McCONNELL611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Cost of Packing, Insurance, etc.,
Must be paid by order.

Reference or cash must accompany all orders from unknown correspondents.

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Transfer Your Orders to

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H. KUSIK & CO.LARGEST SHIPPERS OF FRESH CUT
FLOWERS AT KANSAS CITY

Florists' Supplies

Manufacturers of Wire Designs

1018 McGEE ST. **KANSAS CITY, MO.**

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N. E. Cor. 44 St. & Madison Avenue, N. Y. City
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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address Dardsflor.

DAVID CLARKE'S SONS

Deliver orders from any part of the country to

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Write or Telegraph

2139-2141 Broadway, - New York
Telephone 1860-1558 Columbus

Write or 'Phone

F. H. WEBER'SModern Flower Shop for
Artistic and Special Work

N. E. Corner of Taylor and Olive

ST. LOUIS, MO.

M. F. T. D.

Of Interest to Retail Florists**NEW FLOWER STORES.**

Toledo, O.—I. Bloom, Waldorf Hotel,

Hartford, Ct.—Albert J. Brodrib, 639 Main street.

Sioux City, Ia.—Art Flower Shop, succeeding J. R. Elder.

Chicago, Ill.—W. Kokula, 3402 West 26th street, succeeding A. Pekarek.

NEWS NOTES.

Clyde, O. The greenhouses and business of the Clyde Floral Company have been purchased by Arthur Doebl, who will do business under the name of Arthur Doebl & Sons.

Westfield, Mass.—Damage estimated at between \$40,000 and \$50,000 was caused to tobacco and other crops in this vicinity by a hail storm, July 21. The storm lasted an hour and a half, and was accompanied by lightning.

Winsted, Conn.—Barney McVane, 19, who has been employed by Carl Swenson, florist in the Mooreville greenhouses, left town recently with two handbags, a loaded 22-calibre revolver, a number of shirts, and other articles belonging to the Swenson family. He is said to have come from Oklahoma and has relatives in Bristol and Bennington, Vt.—*Hartford Courant.*

Providence, R. I.—The new flower store at 107 Washington street, occupied now for several months by T. J. Johnston & Co., is a spacious and well-equipped establishment, a great advance on their former place on Weyboset street, and business has grown accordingly. A rear entrance from another street furnishes convenient facilities for receiving or delivering goods.

Paterson, N. J.—An agreement has been made between the retail florists here to close their stores every evening at six o'clock during July and August. The signers are as follows: Conrad Fechter, 421 Main street; John J. Phalon, 396 Main street; Edward Sceery, 85 Broadway; James Smith, 113 Market street; Russell B. Stoutenborough, 227 Market street, and W. Thurston, 89 Van Houten street.


Albany, N. Y.

*Not how Cheap
But how Good*
Member F. T. D.

Providence, Rhode Island**Johnston Brothers**

LEADING FLORISTS

38 Dorrance Street

Member Florists' Telegraph Delivery

JOHN BREITMEYER'S SONSCor. Broadway and Gratiot Aves.
DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.

**GUDE BROS. CO.**
WASHINGTON, D. C.

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Orders for NEW YORK.
Write or Phone to**MAX SCHLING****22 West 59th St.**

Adjoining Plaza Hotel

Best Florists in the States as
References.

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Telegraph Delivery.**THE ROSERY**

23 STEUBEN ST.

ALBANY, N. Y.FLOWER DELIVERIES FOR ALBANY
AND VICINITY

Members Florists' Telegraph Delivery

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

YOUNG & NUGENT**42 West 28 Street****New York**

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A. T. BUNYARD

NEWPORT, R. I., 145 Bellevue Ave.

Also 413 Madison Ave. at 48th St.
NEW YORK

I GUARANTEE SATISFACTION

MEMBER F. T. D. A.

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

THOS. F. GALVIN
INC.
NEW YORK 561 Fifth Ave.
Vanderbilt Hotel
BOSTON 1 Park Street
799 Boylston Street
Deliveries to Steamers and all Eastern Ports

CLEVELAND
A. GRAHAM & SON
5523 Euclid Ave.
Will take good care of your orders
Members of F. T. D. Association.

Orders Filled Day or Night for
CLEVELAND
and State of Ohio
Complete Stock. Regular discount to Trade.
KNOBLE BROS.
1896 W. 25th St., Cleveland, O.
Members Florists' Telegraph Delivery Ass'n.

THE SMITH & FETTERS CO.
735 Euclid Avenue
CLEVELAND, OHIO
Flowers of Every Kind in Season

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440 Main St., Buffalo, N. Y.
ANDERSON service means fresh, sturdy
Stock and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK
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HIGH GRADE PLANTS
For Retail Stores a Specialty
ASK FOR LIST
THOMAS ROLAND, Nahant, Mass.
WORCESTER, MASS.
Randall's Flower Shop
HARRY L. RANDALL, Proprietor.
Mention Florists' Telegraph Association

Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
erly filled and delivered.

Albany, N. Y.—H. G. Byres, 106 State St.
Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn the Florist, 124 Tremont St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid Ave.
Cleveland, O.—Adam Graham & Sons, 5523 Euclid Ave.
Cleveland, O.—Knoble Bros., 1836 W. 25th St.
Cleveland, O.—The Smith & Fetters Co., 735 Euclid Ave.
Denver, Col.—Park Floral Co., 1643 Broadway.
Detroit, Mich.—J. Breitmeyer's Sons, corner Broadway and Gratiot Ave.
Houston, Tex.—Kerr, The Florist.
Kansas City, Mo.—Samuel Murray, 1017 Grand Ave.
Los Angeles, Calif.—Howard & Smith, 853 So. Olive St.
New London, Conn.—Reuter's.
Newport, R. I.—A. T. Bunyard, 145 Bellevue Ave.
New York—David Clarke's Sons, 2139-2141 Broadway.
New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—A. T. Bunyard, 413 Madison Ave., at 48th St.
New York—Dards, N. E. corner 44th St. and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth Ave.
New York—Thos. F. Galvin, Fifth Ave., at 46th St.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.
Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.
St. Louis, Mo.—Fred C. Weber, 4326-28 Olive St.
St. Louis, Mo.—F. H. Weber's, N. E. corner of Taylor and Olive Sts.
St. Paul, Minn.—Holm & Olson, Inc.
Tarrytown-on-Hudson, N. Y.—F. R. Pier-son Co.
Toronto, Can.—J. H. Dunlop, 8-10 West Adelaide St.
Washington, D. C.—Gude Bros., 1214 F St.
Washington, D. C.—George H. Cooke, Connecticut Ave. and L St.
Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop, 22 Pearl St.

Send Telegraph, Telephone or Mail orders
for florist service in this vicinity to

Howard & Smith
853 SO. OLIVE ST.
Los Angeles, Calif.

Every Order sure to receive
prompt and careful attention.

REUTER'S Members Florists
Telegraph
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STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between
New Haven and Providence
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FRED C. WEBER
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NOTICE INITIALS. We have one store only

THE J. M. GASSER COMPANY,
CLEVELAND
Euclid Avenue

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

EYRES
Flowers or Design Work
DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER
106 STATE STREET, ALBANY, N. Y.

"THE HOME OF FLOWERS"

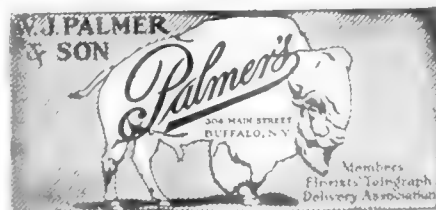
The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

The Park Floral Co.
J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

OE'VER, COLORADO



KERR ORDERS FOR TEXAS
HOUSTON, TEXAS
The Florist Member F. T. D. Association

NEWS ITEMS FROM EVERYWHERE

CHICAGO.

A. L. Vandenbark and family are taking their favorite vacation trip by means of their auto. The lakes of Wisconsin are their destination.

Fred Lautenschlager, of Kroeschell Bros. Co., attended the summer session of the American Society of Heating and Ventilating Engineers the past week.

Andrew Cronis, president of the Alpha Floral Co., will leave next week on a motor trip to the east, timing it so as to be in New York in time for the S. A. F. convention.

C. L. Washburn, and Mrs. Washburn have returned from his annual visit to his son in California. E. B. Washburn is following in his father's line of business, at Pasadena.

Allie Zech, president of Zech & Mann, has taken his family on a northern motor trip this week and will return and take the next week in another direction combining business with pleasure.

The horticultural society of the north shore, known as the New Trier, held a flower and vegetable show in the Community House in Winnetka, last Thursday. Prizes were awarded. These exhibits are well patronized and create a lively interest in outdoor flowers as well as a friendly rivalry in producing the finest vegetables.

Some of the largest growers are placing their orders for next season's coal, which would indicate that they have not sufficient faith in a possible reduction to warrant any further delay. Poehlmann Bros. Co., whose plant consumed 39,000 tons last year, has just placed an order for 20,000 tons in addition to that still coming on a last year's contract. Mr. Poehlmann says the high cost of greenhouse material and the advance in the price of coal has not been met with a corresponding advance in the selling price of flowers, hence there is not the incentive to building this year that formerly existed.

The American Greenhouse Co. has just made an important addition to its equipment, in the purchase of a new plant at Pano, in central Illinois. It consists of five acres of ground with four brick factory buildings and an office. There were 80,000 square feet of floor space and a complete equipment of machinery, including an engine for making their own electric power. Eventually all their manufacturing will be done at Pano. This is a step forward in the steady progress made by the American Greenhouse Co. since its organization scarcely two years ago.

ST. LOUIS.

Robert Holm, for some time in the employ of F. C. Weber, has severed his connection with this firm.

Walter Young, member of the firm of C. Young & Sons, has joined the Aviation Corps and will leave this week.

The American Greenhouse Mfg. Co. has just completed two greenhouses, 36 x 300 each, for W. A. Rowe at Kirkwood. This makes Mr. Rowe the largest grower in St. Louis County. Carnations, snapdragons and novelties will be the main crops at this range.

BOSTON.

The Willow Street Greenhouses in West Roxbury, belonging to Isabel Burnham, have been sold to Charles W. Wilby.

A loan order for \$50,000 for the purchase of a lot of land containing 25,174 square feet, and bounded by Poplar, South, Ashland and Washington streets, Roslindale, to be used as a public park, was sent to the City Council yesterday by Mayor Curley.

The Mayor several weeks ago received a petition signed by 5,000 residents of the district, asking for such a park, and the City Planning Board has approved the location.

Fire destroyed considerable of the buildings of the New England Nurseries in Bedford, Tuesday afternoon, July 24. Help was called from Lexington and Concord to fight the flames, Concord sending a pump which rendered great assistance. The water to fight the fire was pumped from a brook about a quarter mile away. The fire was discovered in the pumping station, a two-story building, which was destroyed. The water supply is consequently shut off and plants in the greenhouses will suffer damage. A packing shed about 125 feet long adjoining the pumping station was also destroyed. A large storehouse just back of the packing house was saved, though it received a good scorching. One end of another storehouse was burned off. In the packing shed that was destroyed there were a carload of lumber and a large number of hot bed sashes. These also were lost. The entire loss is estimated at about \$10,000, partly covered by insurance. Defective wiring is believed to have caused the fire.

WASHINGTON, D. C.

F. W. Bolgiano has secured a permit from the city to erect a brick warehouse at 1215-1221 C Street, Northwest. The proposed structure will cost \$25,000.

There are two absentees in the force of outdoor men of the Bureau of Plant Industry, and it is with regret that the illness is announced of Robert McLennon and Mr. Gauges, the former with appendicitis, while the latter has a bad case of blood poisoning. Mr. Gauges had his hand infected while handling some plants.

There is a vacancy in the position of entomological inspector, in the Federal Horticultural Board, for duty in Washington, at an entrance salary of from \$1,400 to \$1,740 a year, to be filled by the U. S. Civil Service Commission, which will hold an examination on Aug. 22. All applicants for this position will be rated upon entomology, practical questions in inspection work, and education and experience. Examinations will be held at various cities in every state and territory.

The names of several of the boys at the local stores were drawn in the military conscription. Two brothers, Carroll Carrick and Ben Carrick, Louis Hohman, Edward Jameson, and W. Lowe, are on the honor roll from Gude Bros. Co. The first three named are connected with the F street store, the other two with the northeast and southeast houses respectively. A number of boys have already enlisted for service in France, among the latest to go being Harry McCabe, who has gone to Ohio for service with the aeroplane corps. The name of Frank B. Schmid, son of Edward S. Schmid, also appears among those selected.

ROCHESTER, N. Y.

Salter Bros. are busy preparing helichrysums for fall and winter use.

C. W. Curtis is installing a new Lord & Burnham boiler. His gladioli are coming along in good shape.

Geo. T. Boucher has a beautiful window decoration, which consists of a fountain surrounded by a rockery and aquatic plants.

Geo. F. Demuth, of Geo. B. Hart's, is going to spend his vacation in California; Miss Maud Hallauer is at Canandaigua Lake; John Volmer, Henrietta, N. Y.; Miss Tessie Whitman and Miss H. B. Ellis at Sodus Bay.

H. BAYERSDORFER & CO.
Manufacturers and Importers
 1129 Arch St. PHILADELPHIA, PA.
 A Full Line of Bridal Accessories for the June Wedding Decorations
STOCK UP NOW
THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

We are the largest manufacturers of Floral Wirework in the United States. We defy all competition in price and Quality



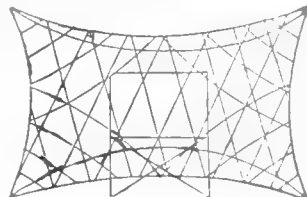
SAVE MONEY
and let us quote you on
your next order

Prices will not be lower than at present. Raw material is scarce and getting scarcer. Better place an order

SEND FOR LIST

Everything in Florists' Supplies.

Established 22 Years.



B. E. and J. T. COKELY
201 North Seventh Avenue, SCRANTON, PA.

PITTSBURGH.

Marion F. Gross, a former attache of the A. W. Smith Company, has entered the employ of Albert Brigg.

David Fraser is a member of the committee appointed by the Chamber of Commerce to judge the prize gardens of the Vacant Lot and War Farms Garden commissions.

Rudolph Zilka, who has been critically ill for the past two months as the result of an attack of pneumonia, is now in St. John's Hospital. His condition now seems favorable.

During the week just past business conditions have been somewhat slow as befits the season, unfortunately. Roses, of fair quality considering the time, are somewhat of a glut, while carnations have about dwindled in quality and quantity to rock bottom.

Anthony W. Smith, Jr., will spend August at Pointe aux Pines, Lake Michigan. Howard E. Andrews is at Atlantic City. Murray J. McGrew is in Cleveland. N. L. Huttering will visit his brother, who is in camp at Syracuse, N. Y. R. H. Stewart has returned from a trip through Michigan. L. F. Post has returned from a New England and Canadian journey. Mrs. Ernest C. Ludwig has been spending the past week in New Galilee, Pa.

PHILADELPHIA.

Samuel S. Pennock left for Denver on the 29th inst. to attend to some real estate matters in connection with the estate of his lately deceased father, Abram L. Pennock. He expects to return to Philadelphia in about two weeks.

Fairfield, Conn. — John Beach, formerly of Bridgeport, has started here as a grower.

NEW YORK.

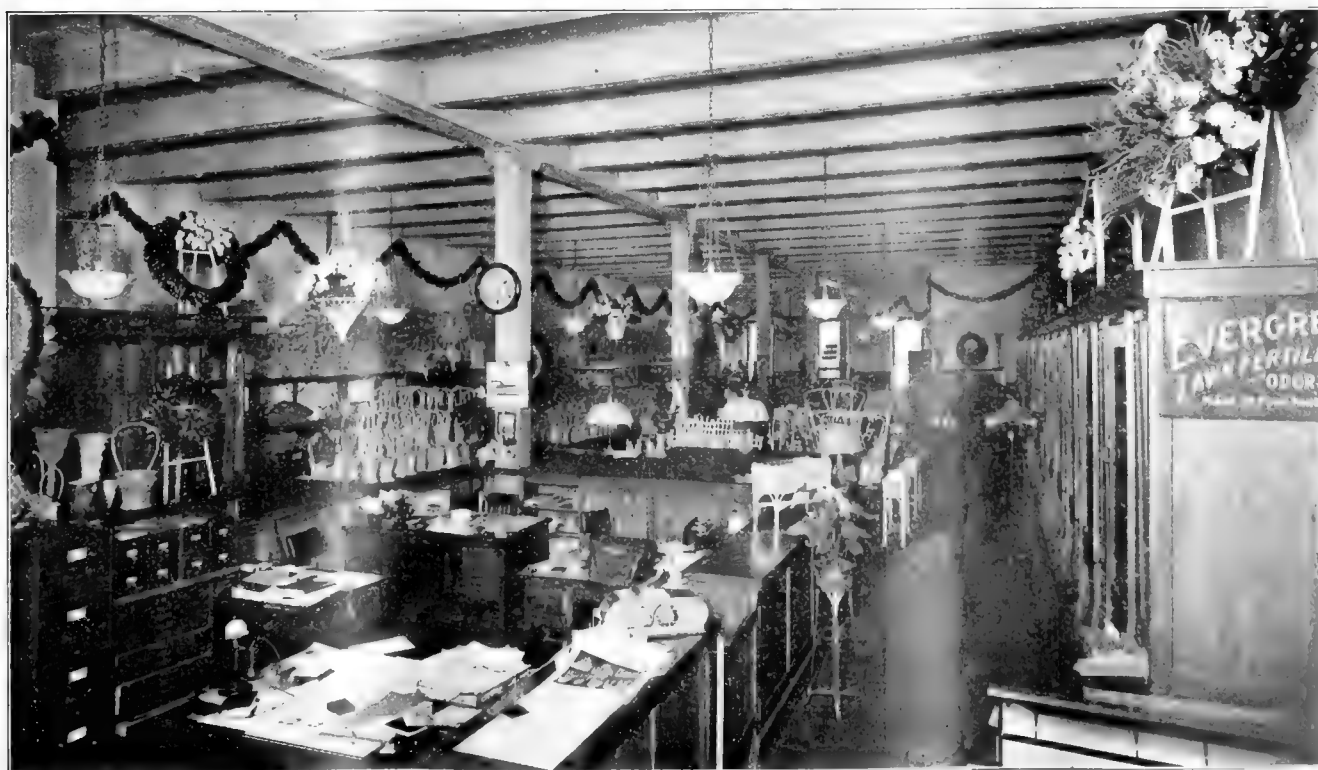
J. H. Beatty, former superintendent of parks of Manhattan, has located in Norwalk, Conn., where he has bought a small farm and will enjoy rural life.

Horace S. Ely & Co. have leased the southerly store, basement and sub-basement, in 784 and 785 Fifth avenue, to Max Schling, now located at 72 West Fifty-ninth street.

The annual meeting of stockholders of the New York and New Jersey Market Florists' Association will be held on Monday, July 30, at the office of W. H. Siebrecht, Jr.

BUSINESS TROUBLES.

San Francisco, Cal. — Standard Seed Company, voluntary bankruptcy, assets \$783, liabilities \$4,119.



VIEW IN NEW FLORISTS' SUPPLY DEPARTMENT OF POEHLMAN'S BUILDING, CHICAGO.

ASTERS**\$1.50 — \$3.00 per 100**

Plenty of All Colors and Grades

Easter Lilies\$6.00
per 100**Gladiolus**\$4.00 — \$6.00
per 100

They are three best items in out-flowers during the hot months of the year

THE LEO NIESSEN CO.

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.

TRY**Horticulture's Advertisers****FIRST**

Before Looking Elsewhere

Tell Them You Did So And
They'll Reciprocate**EDWARD REID
WHOLESALE FLORIST**

1619 - 21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers**H. M. ROBINSON & CO.**

BOSTON'S FOREMOST

Wholesale and Commission Florists

23 Otis Street, 2 Winthrop Square
BOSTON, MASS.

Telephone 2618-2617-2616, Main.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.10,000...\$2.00. 50,000...\$8.75. Sample free.
For sale by dealers.**E. G. HILL CO.**

Wholesale Florists

RICHMOND, IND.

Please mention Horticulture when writing.

**MICHIGAN CUT FLOWER
EXCHANGE, Inc.**

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service

ZECH & MANNWe are Wholesale Florists Doing
a Strictly Wholesale Business

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MANUFACTURERS
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**WELCH BROS. CO. Wholesale Cut
Flower Market**Daily consignments from
leading growersFull line of Florists'
SuppliesWrite for quotations before
ordering elsewhere**262B DEVONSHIRE ST., BOSTON, MASS.**

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**WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100
TO DEALERS ONLY**

	BOSTON July 26		ST. LOUIS July 23		PHILA. July 23	
Roses						
Am. Beauty, Special...	10.00	to 15.00	20.00	to 30.00	20.00	to 25.00
" " Fancy and Extra...	6.00	to 10.00	.....	to	12.50	to 15.00
" " No. 1 and culls...	3.00	to 6.00	.....	to	3.00	to 10.00
Russell, Euler, Mock...	1.00	to 6.00	5.00	to 12.50	2.00	to 12.00
Hadley...	1.00	to 8.00	5.00	to 8.00	2.00	to 6.00
Arenberg, Hoosier Beauty...	1.00	to 6.00	.....	to .....	.....	to
Ward...	.50	to 4.00	1.50	to 4.00	2.00	to 4.00
Killarney, Radiance, Taft...	.50	to 4.00	1.00	to 4.00	2.00	to 6.00
Ophelia, Sunburst, Hillingdon...	1.00	to 6.00	3.00	to 6.00	2.00	to 6.00
Carnations	.50	to 1.50	.75	to 2.00	1.00	to 2.00
Cattleyas	30.00	to 50.00	50.00	to 75.00	40.00	to 50.00
Dendrobium formosum	.....	to 50.00	.....	to .....	.....	to
Lilies, Longiflorum	9.00	to 4.00	10.00	to 15.50	4.00	to 6.00
Lilies, Speciosum	2.00	to 3.00	.....	to .....	.....	to
Lily of the Valley	5.00	to 8.00	6.00	to 8.00	6.00	to 8.00
Snagdragon	1.00	to 2.00	4.00	to 6.00	.....	to
Gladioli	1.00	to 4.00	4.00	to 5.00	3.00	to 5.00
Asters	1.00	to 2.00	.....	to 2.00	1.00	to 3.00
Sweet Peas	.25	to .50	.....	to .....	.40	to .50
Marguerites	.50	to .75	.....	to 1.00	.....	to
Gardenias	10.00	to 25.00	.....	to .....	.....	to
Adiantum	.25	to 1.00	.....	to 1.00	.....	to 1.00
Smilax	6.00	to 8.00	.....	to 12.50	.....	to 25.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	15.00	to 25.00	25.00	to 35.00	.....	to 50.00

WILLIAM F. KASTING Co.

Wholesale Florists

568-570 WASHINGTON STREET - BUFFALO, N. Y.

J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A SpecialtyWHOLESALE
GROWER of**CUT FLOWERS**

Flower Market Reports

Very quiet indeed on all

BOSTON sides so far as trade is concerned but the industrious ones find plenty to keep them engaged, repairing, painting, etc., closing up the business of the season now ended and making preparation for that soon to open. The growers, of course, find lots to do at this season. Some good asters, mainly white, are now in market. Gladioli are of excellent quality. Longiflorum lilies are still far in excess of all market needs. Roses run small but there are enough of all grades and more than enough to supply the demand, which is away off. Qualities of double gypsophila are being sent in and the old single kind is not wanted. Sweet peas are small and inferior.

The past week has been

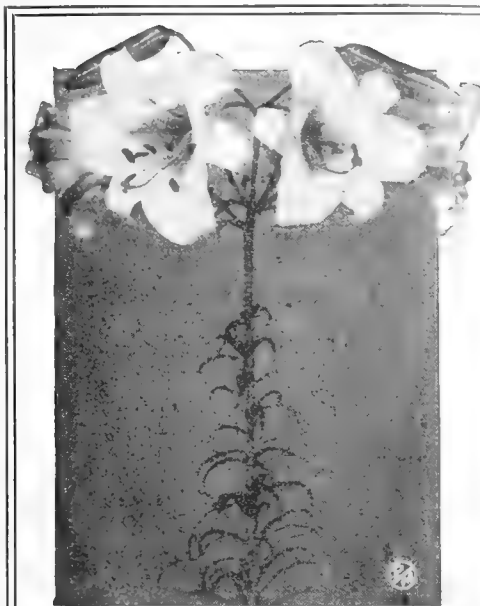
CHICAGO one of summer temperature and the real test of summer trade came. The week-end business was generally reported as satisfactory. More sales were probably made than during all the balance of the week. Stock is in good condition, generally speaking, for July. Roses are of very fair color and not inclined to be soft. Carnations have not counted largely in the week's sales for some time so there is no marked change. Gladioli are coming with deep color and on long spikes and take well. Some of the largest daisies of the year are to be had, stems ranging from 30 to 36 inches and with flowers accordingly. These retail at 75c. per dozen in some stores. The amount of miscellaneous stock is large enough to meet all demands and not as large as to cause prices to be discouragingly low. Among the more expensive flowers, cattleyas, American Beauty and Mrs. Russell roses are holding their own at a fair price and with little loss. Out of doors, the parks and lawns are beautiful in their coverings of green but flowers are scarce, even geraniums being rather shy in blooming.

The market is well

CINCINNATI supplied with seasonable stock of all kinds. This meets with a steady though light demand and manages to clean up fairly well. The bulk of the roses are short but a few more long blooms than a fortnight ago are available now. Few carnations are seen. Asters are coming along better now and are taking the place of the carnations. Gladioli are in a good supply. Some excellent hardy hydrangea are offered.

The particular feature

NEW YORK of the July market thus far is the abundance of material. While we cannot say that there is a large supply of fine roses yet there are plenty of American Beauties which move, if at all, very slowly. Demand is normal for the season, with not many carnations



Lilium Regale

One of the most attractive novelties of recent introduction. A splendid summer flower, showy, attractive and lasting. \$5.00 per hundred flowers.

Cut Gladioli

\$3.00, \$4.00, \$5.00 per hundred.

Asters

\$2.00, \$3.00, \$4.00 per hundred.

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NEW YORK PHILADELPHIA
117 W. 28th St. 1608-1620 Ludlow St.
BALTIMORE WASHINGTON
Franklin & St. Paul Sts. 1216 H St., N.W.

During July and August we will close daily 4 p. m., Saturdays 1 p. m.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI July 16	CHICAGO July 16	BUFFALO July 16	PITTSBURGH July 23
Roses				
Am. Beauty, Special.....	15.00 to 25.00	25.00 to 30.00	20.00 to 25.00	20.00 to 25.00
" " Fancy and Extra.....	15.00 to 20.00	15.00 to 25.00	15.00 to 20.00	12.50 to 18.00
" " No. 1 and culls.....	8.00 to 12.00	4.00 to 10.00	2.00 to 4.00	3.00 to 8.00
Russell, Euler, Mock.....	3.00 to 8.00	3.00 to 20.00	6.00 to 8.00	8.00 to 15.00
Hadley.....	..... to .....	..... to	5.00 to 8.00	..... to
Arenberg, Hoosier Beauty.....	3.00 to 8.00	2.00 to 30.00	4.00 to 8.00	..... to
Ward.....	3.00 to 8.00	2.00 to 8.00	2.00 to 5.00	3.00 to 8.00
Killarney, Radiance, Taft.....	3.00 to 6.00	2.00 to 8.00	2.00 to 6.00	..... to
Ophelia, Sunburst, Hillingdon.....	..... to	2.00 to 8.00	3.00 to 8.00	3.00 to 10.00
Carnations	1.00 to 2.00	1.00 to 3.00	1.00 to 2.00	1.00 to 2.00
Cattleyas.....	..... to	50.00 to 75.00	50.00 to 60.00	25.00 to 50.00
Dendrobium formosum.....	..... to .....	..... to .....	..... to .....	..... to
Lilies, Longiflorum	8.00 to 10.00	5.00 to 8.00	8.00 to 10.00	6.00 to 10.00
Lilies, Speciosum	3.00 to 8.00	..... to	3.00 to 4.00	..... to
Lily of the Valley.....	..... to	4.00 to 6.00	6.00 to 8.00	..... to
Snappdragon	3.00 to 6.00	3.00 to 6.00	3.00 to 5.00	1.00 to 2.00
Gladioli	4.00 to 8.00	8.00 to 6.00	6.00 to 8.00	3.00 to 8.00
Asters	2.00 to 4.00	..... to .....	..... to	1.00 to 3.00
Sweet Peas.....	.35 to .50	.95 to 1.00	.50 to 1.00	..... to
Marguerites.....	..... to .....	.25 to 1.00	1.00 to 1.25	..... to
Gardenias.....	..... to .....	..... to .....	..... to .....	..... to
Adiantum.....	..... to .....	..... to .75	1.00 to 1.25	.75 to 1.25
Smilax.....	..... to 15.00	90.00 to 25.00	15.00 to 20.00	..... to 15.00
Asparagus Plu. & Spren. (100 Bhs.)	20.00 to 25.00	25.00 to 50.00	30.00 to 50.00	20.00 to 50.00

but more than enough for daily requirements. The asters are beginning to come along and are of a good quality. Plenty of lilies both pink and white are to be had for funeral work but there is not much of that this week. Lily of the valley has been scarce and cattleyas seem to suffer from the hot weather which is leaving its impress on all stock. A considerable supply of gladioli, gypsophila, sweet peas, achillea and delphinium make up an ample variety to choose from.

Much of the stock being received in the wholesale markets is unsalable from the effects of the heat, which has been intense on several days the past week. The principal occupation of the wholesale dealers just at present is that of skirmishing for consignors for the coming season.

PITTSBURGH During the week just past business conditions have been somewhat slow as befits the season, unfortunately. Roses, of fair quality considering the time, are somewhat of a glut, while carnations have about dwindled in quality and quantity to rock bottom.

Trade is pretty fair with stock rather limited. Asters and gladioli are on the scarce side but a good supply is looked for any day now. Roses—some of them right good but the majority of them rather poor. Russells are excellent and Beauties are still holding their own fairly well. Lilies are still plentiful and good. Regale, the new lily, is a fine feature just now and meets with ready sale. Orchids are still in fair supply and of excellent quality.

Business is very slack and the market is glutted with quantities of outdoor stock. Quantities of Pink Ramblers are in. Indoor roses are numerous, but the demand is very slow. Ophelia and Sunburst are the best sellers. Harrisii lilies are very plentiful and so are carnations, but the latter are very soft. Outdoor sweet peas are plentiful and pretty good. Very little is doing in the way of floral work and transient trade is very quiet. Large quantities of bedding stock are still on hand and little hopes are held for it to be cleared.

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Choice Cut Flowers
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Telephone No. 735
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Telephone 5335, Farragut.
Call and inspect the Best Establishment
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Consignments Solicited
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cut and prepared.
Laurel, Hemlock, all Decorative Evergreens.
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FINE ROSES, FANCY CARNATIONS
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A full line of Choice Cut Flower Stock for all purposes.
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Prices Right. Consignments Solicited. Telephone Connection

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A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER MORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists
111 West 28th Street, NEW YORK
Phones: Farragut 558, 2036 and 2037

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS

	Last Half of Week ending July 21 1917		First Half of Week beginning July 23 1917	
American Beauty, Special	12.00	to 15.00	12.00	to 15.00
" " Fancy and Extra	8.00	to 12.00	8.00	to 12.00
" " No. 1 and culls	1.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock	.50	to 8.00	.50	to 6.00
Hadley	.50	to 10.00	.50	to 8.00
Arenberg, Hoosier Beauty	.50	to 4.00	.50	to 4.00
Ward	.50	to 4.00	.50	to 3.00
Killarney, Radiance, Taft	.50	to 4.00	.50	to 3.00
Ophelia, Sunburst, Hillingdon	1.00	to 8.00	1.00	to 6.00
Key	1.00	to 4.00	1.00	to 6.00
Carnations	.50	to 1.00	.50	to 1.50

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Wholesale Commission Dealer In
CHOICE CUT FLOWERS
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LILIES EVERY DAY
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HERMAN WEISS

WHOLESALE FLORIST
Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.
130 West 28th Street, Tel. Farragut 634,
NEW YORK.

HENRY M. ROBINSON CO. OF NEW YORK

WHOLESALE FLORISTS

55-57 West 26th Street
Telephones, 13-8510 Madison Square
MAURICE L. GLASS, Treasurer
Consignments Solicited

MAKE YOUR OWN CHRISTMAS WREATHS START THEM NOW

USE OUR NATURAL PREPARED
GREEN LYCOPodium
Fire proof and guaranteed not to become brittle. Put up in convenient size carton.
10 lbs. net. This is a good substitute for Sea Moss.
PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street
PITTSBURGH, PA.

Flower Market Reports

(Continued from page 105)

Continued warm ST. LOUIS weather and dullness in trade is all we can write about. The growers are throwing out and incoming shipments are small. Outdoor gladioli and short-stem asters are in. Some out-of-town carnations are received, the grade fairly good, but keeping qualities hard to contend with. Russell, Hadley, Ophelia, Ward and Hearst roses are about all the varieties available.

Business has kept WASHINGTON up very satisfactorily. The main difficulty is in getting a sufficient quantity of flowers. Roses have been scarce. The local growers have stopped producing and shipments from the north have been materially curtailed. There were some exceptionally fine Lilium regale, which failed to bring a price because of the over supply of longiflorums. A few carnations are still seen and a fair sale is had. Cattleyas are of exceptional quality and are being offered at \$7.50 per dozen. Asters are in heavier supply and fair demand. Gladioli sell well.

Visitors Register

New York—S. J. Mitchell, Houston, Texas.

St. Louis—Guy Reyburn, Chicago; Allan Humason, Chicago.

Boston—Robert Tyson, Madison, N. J.; Mrs. Jas. McHutchison, New York.

Pittsburgh—A. Jacobs, New York; S. Freund, Chicago, Ill.; C. J. Ford, New York; Earl Tipton, Phila.

Rochester, N. Y.—L. E. Miller, Fort Wayne, Ind.; N. A. Hallauer, Ontario, N. Y.; Irving Goldstein, New York.

Philadelphia—Joseph Lynch, New Castle, Indiana; P. K. Nott, Troy, N. Y., repr. Whitney-Eckstein Co., Buffalo, N. Y.

Washington, D. C.—S. E. Mastin, Richmond, Va.; Joseph J. Goudy, of H. A. Dreer, Phila.; Arthur A. Underwood, Cheyenne, Wyo.; H. T. Bryant, Roanoke, Va.; Arthur Niessen, Phila.

Chicago—Mr. and Mrs. Geo. Surfs, Omaha, Neb.; Fred White, N. Man-

PATRICK WELCH, WHOLESALE FLORIST
262 DEVONSHIRE STREET, BOSTON, MASS.
American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.
STORE OPEN FOR BUSINESS AT 6 A. M. TELEPHONE MAIN 2698.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending July 21 1917		First Half of Week beginning July 23 1917	
Cattleyas.....	25.00	to 60.00	25.00	to 50.00
Dendrobium formosum.....	.....	to 40.00	.....	to 40.00
Lilies, Longiflorum.....	2.00	to 4.00	2.00	to 4.00
Lilies, Speciosum.....	1.00	to 3.00	1.00	to 3.00
Lily of the Valley.....	4.00	to 6.00	4.00	to 8.00
Snaptadragon.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	3.00	to 6.00	3.00	to 6.00
Sweet Peas.....	.15	to .50	.15	to .50
Marguerites.....	.25	to .50	.25	to .50
Gardenias.....	10.00	to 20.00	10.00	to 20.00
Adiantum.....	.25	to 1.00	.25	to 1.00
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, & Spreng (100 bunches).....	10.00	to 20.00	10.00	to 20.00

J. K. ALLEN, WHOLESALE COMMISSION FLORIST
Always Ready to Receive Consignments and Can Market Them Satisfactorily.
Wanted Specially, Early Peonies, Gladioli, etc., for Spring Trade.
A Clean Record For Thirty Years
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HOME GROWN ASPARAGUS
CUTFLOWERS
IN ANY QUANTITY
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chester, Ind.; Robt. Simmons, La Salle, Ill.; Mrs. John Schergen and Dolly Laughlin, St. Louis, Mo.; J. S. Gardiner, Council Bluffs, Ia.; A. G. Bierberick, Huntington, Ind.; H. W. Schaefer of Lang Floral and Nursery Co., Dallas, Texas; C. L. W. Snyder, El Paso, Texas; W. G. Warmood and C. V. Abeele, Mt. Pleasant, Mich.; Walter Gott, with Sander & Sons, St. Albans, England; Miss Kate Harris, Memphis, Tenn.

PERSONAL.

O. O. Silke has been appointed superintendent of parks of Houston, Texas.

Luther Burbank is reported to be very ill with appendicitis at his home in Santa Rosa, Cal.

Baltimore - It has been decided not to hold the annual "Maryland Week" this year, the Armory not being available as heretofore for that use.

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Good Stock Solicited
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We Solicit Consignments of New England Grown Novelties.

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ORCHIDS
Cut Flowers of All the Leading Varieties in their Season.
THOMAS YOUNG, Jr., Proprietor
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Florists' Supplies
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

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Century and a Half**HEWS****STRONG
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Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
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NEW YORK, N. Y.

PUBLICITY AND DISTRIBUTION

An Extract from the Address of President John Watson Before the
American Association of Nurserymen.

You have upon your program the two closely related subjects of Publicity and Distribution. Together, they represent our greatest problem. If we study our progress and our discussions in the conventions that we have held in the past forty years, we shall find that we have given our thoughts very largely to the production of stock, to the matter of varieties and their adaptability, to questions of propagation and cultivation; to digging and packing. We have concerned ourselves with the production of trees and plants and always more and more trees and plants to the almost total exclusion of the problem of their distribution; and in that we have attempted to reverse the law that makes the supply follow the demand; we must make the demand and the supply will take care of itself. I think we can safely concede that individually we are the poorest advertisers in the world. And yet our goods offer the most engaging possibilities for attractive presentation; our potential clients are the ones who have the means and ample means to buy what we produce; and they are quite as deeply interested in our goods as we are.

The trend in recent years has been from the city; it has been towards the development of country homes; the era of automobiles has opened a wonderful market for us. Yet it is a curious fact that in a country literally overflowing with wealth, much of it recently acquired and used generously in building beautiful homes, where every sort of business is prosperous to a degree never known before, we nurserymen have come together for our forty-second annual convention to talk over the increasing cost of producing our goods and the decreasing returns from their sale; to sympathize with one another on the quantities of stock burned the past spring and to ask how much longer we can go on in this way. We shall hear before the convention has closed, a great deal about the surplus stock in the country and the low prices obtainable. Just as if in this wonderfully new and rich country of ours, with a population of over a hundred million people, with thousands of new homes building every year,—if there could be such a thing as a surplus of trees and plants. Certainly the small acreage in sight today cannot be called that. Rather let us admit frankly that we have only failed to bring the grower

and the planter, the merchant and the customer, together; that we have neglected to use the agencies employed for that purpose, by every line of business save and except our own.

Several years ago I had a very interesting talk with Mr. Ethan Allen Chase, the Dean of the nursery business and I believe one of the first men to carry a plate-book; and Mr. Chase told me that in the first convention of nurserymen he ever attended and one of the first ever held I presume, in Boston over fifty years ago, the time of the meeting was taken up largely with a discussion of the surplus held by the growers and the necessity for advancing prices. We are still talking about the same things. A wise statesman said in regard to the proposed resumption of specie payments years ago, that the way to resume is to resume. The way to get better prices is to get them. The way to dispose of our surplus is to sell it. But we have made no serious effort to do either. We are optimistic in planting and pessimistic in selling. As a trade, we nurserymen have not yet learned the A B C of salesmanship; our idea of salesmanship is the elementary and primitive one of underselling our neighbor.

Now, I believe in competition. There is something very fine and wholesome in the idea of competition; in matching one's wit and skill with those of others; and the manufacturer or the grocer who can produce his goods for less cost than his neighbor is entitled to our respect; but there is nothing very inspiring about getting orders upon the sole basis of price without regard to cost; that is merely a confession of inefficiency. I do not propose any plan of price-fixing by agreement or understanding because that is ethically unsound and suggestive of the stone age in business and entirely out of harmony with present-day methods of salesmanship.

It is a new world we live in, Gentlemen, it is not the same world it was ten years ago, and ten years from now it will not be the same world it is today. The old order is changed. The whole method of production and of distribution has been changed, and if we nurserymen are ever to place our business upon the plane of dignity and profit that it has not yet reached, it is going to be necessary for us to adjust ourselves to these changed conditions. The old competitive system has given

way to the co-operative system; we have seen the men in various lines of business drawing closer together for teamwork, becoming allies rather than continuing as enemies; we have seen them combining their efforts and uniting their strength rather than exhausting themselves in destructive competition with one another; we have seen a commission appointed by the Government at Washington, under instructions to assist and counsel and aid these various lines of business in uniting and directing their efforts.

I took occasion some time ago to call your attention to a book written by Mr. E. N. Hurley, of the Federal Trades Commission entitled "The Awakening of Business," almost every page of which might be profitably applied to the nursery business. And it has been my aim during the past year to do something towards the development of this idea of co-operation in the minds of the nurserymen; I have had the hope that we may finally come to realize the fact—for it is a fact—that the nursery business of this country is just one business and that each of us is a stockholder and a director in it; and just as a private business cannot hope to succeed when all the directors are pulling in opposite directions with each following his own ideas without regard to the plans and actions of other directors, so in a general business embracing the whole trade, we cannot expect any measure of success unless we come together for counsel and argument determined to find the common ground on which all can stand; and work in harmony and friendly co-operation for the common good, for it is only in the greatest common good that we can find the largest measure of individual profit. No matter what our individual interests are, whether we are producers or distributors or in what manner we seek our clients, or who they are, every apparent conflict of interests is unreal, for all who gain their livelihood from the nursery business or any department of it, have identically the same interests; and we can advance those interests surely and certainly only by means of co-operative rather than individual effort along broad lines. And one of those lines and by far the most important to each of us, is the development of our market and the increased consumption of our products through the use of co-operative publicity.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST
29th & M Sts., Washington, D. C.

CLASSIFIED DIRECTORY

Advertisements in this Department, Ten Cents a Line, Net

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Formed in lengths up to 100 ft. without seam or joint.

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6 inch, 100 ft., 67¢
8 inch, 100 ft., 81¢
10 inch, 100 ft., 97¢
12 inch, 100 ft., 113¢
14 inch, 100 ft., 129¢
16 inch, 100 ft., 145¢
18 inch, 100 ft., 161¢
20 inch, 100 ft., 177¢
22 inch, 100 ft., 193¢
24 inch, 100 ft., 209¢
26 inch, 100 ft., 225¢
28 inch, 100 ft., 241¢
30 inch, 100 ft., 257¢
32 inch, 100 ft., 273¢
34 inch, 100 ft., 289¢
36 inch, 100 ft., 305¢
38 inch, 100 ft., 321¢
40 inch, 100 ft., 337¢
42 inch, 100 ft., 353¢
44 inch, 100 ft., 369¢
46 inch, 100 ft., 385¢
48 inch, 100 ft., 401¢
50 inch, 100 ft., 417¢
52 inch, 100 ft., 433¢
54 inch, 100 ft., 449¢
56 inch, 100 ft., 465¢
58 inch, 100 ft., 481¢
60 inch, 100 ft., 497¢
62 inch, 100 ft., 513¢
64 inch, 100 ft., 529¢
66 inch, 100 ft., 545¢
68 inch, 100 ft., 561¢
70 inch, 100 ft., 577¢
72 inch, 100 ft., 593¢
74 inch, 100 ft., 609¢
76 inch, 100 ft., 625¢
78 inch, 100 ft., 641¢
80 inch, 100 ft., 657¢
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Wheeling, W. Va. Arthur Langhans, two houses.

Berkeley, Cal. Gill Nursery Co., range of houses.

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Lawrence, Mass.—Thornton Bros., Woodland street, one house.

Aberdeen, Wash.—Mrs. Margaret Ellis, Eighth street, additions.

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are the most highly developed greenhouses on the market to-day? We would be glad to explain our construction fully at any time. We want you to know what the name LUTTON stands for.

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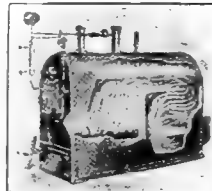
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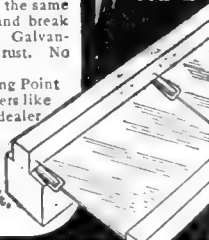
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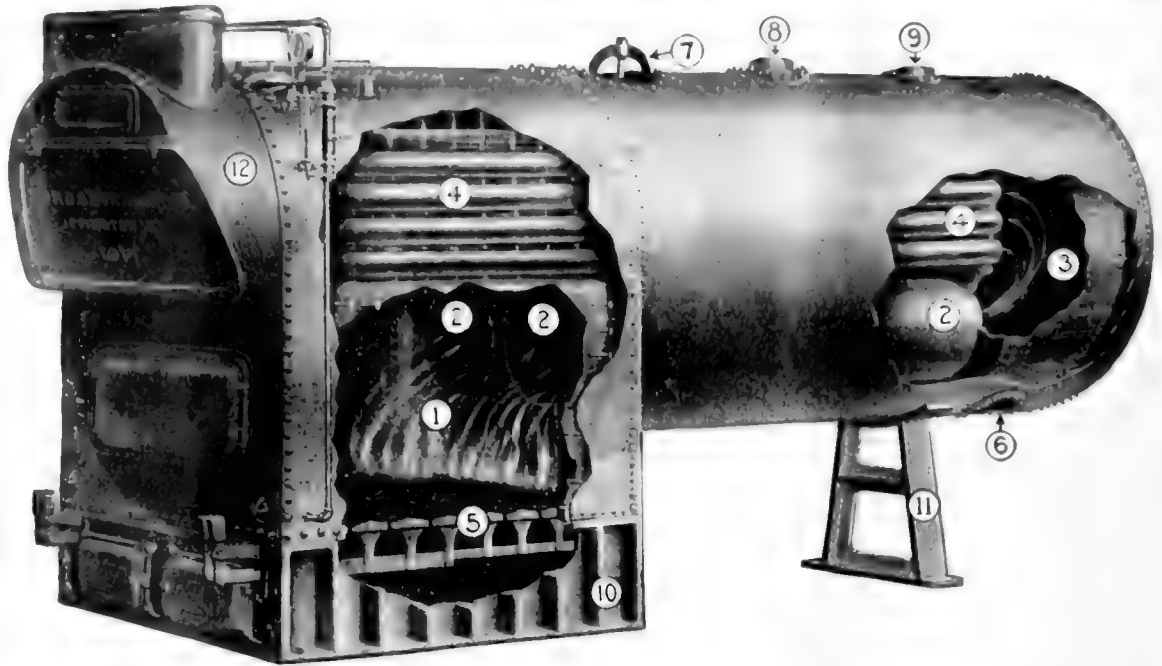


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One Southern grower came all the way North to see about one.

A Texas florist wired for particulars.

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Send for circular fully describing and illustrating it.

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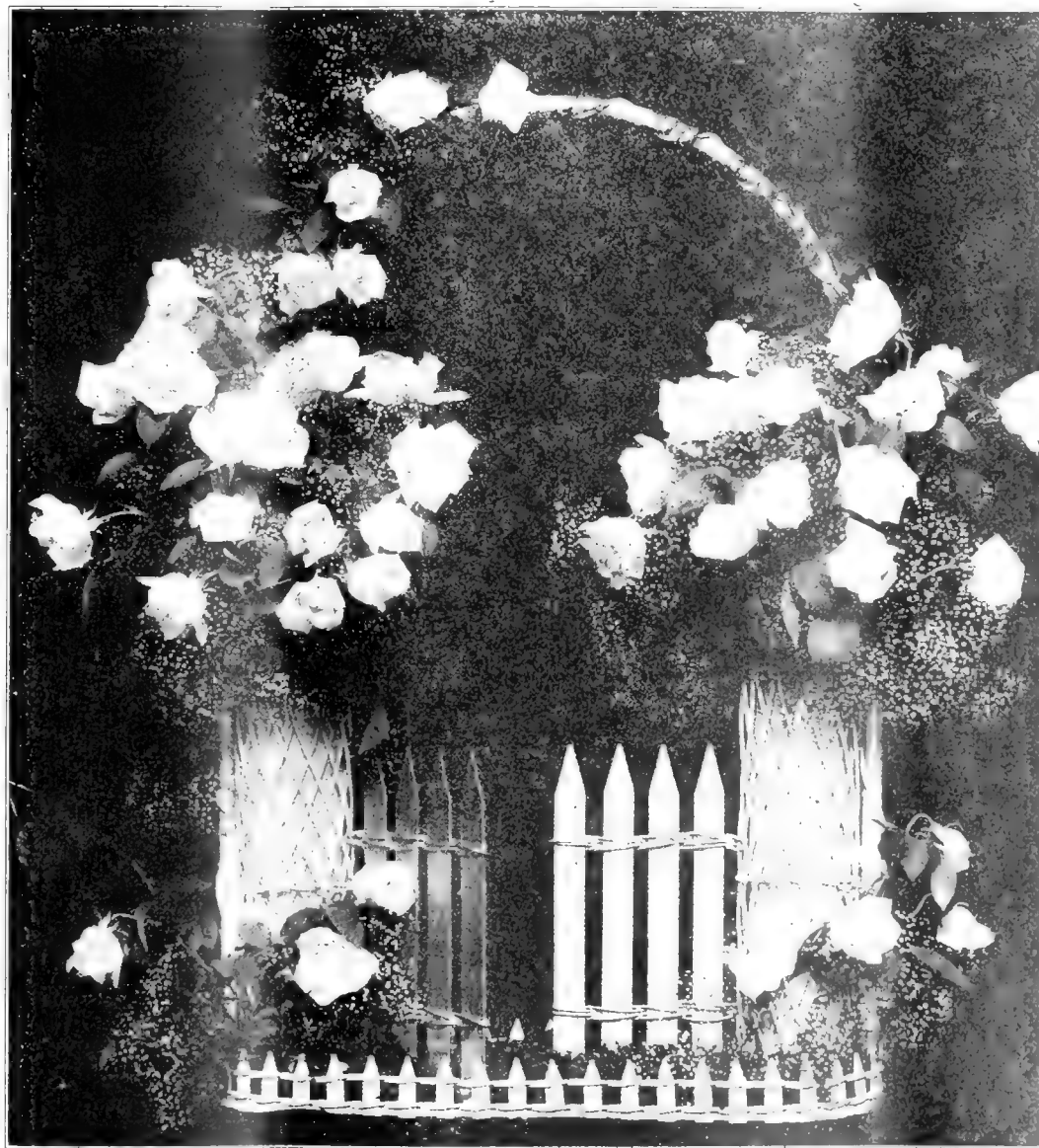
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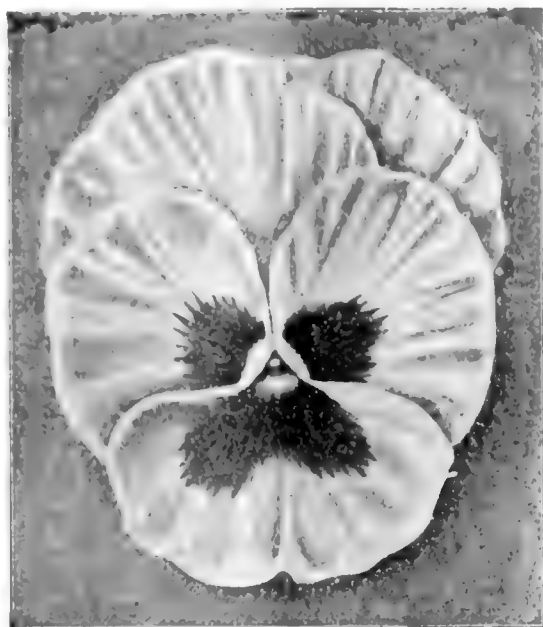
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Vol. XXVI
No. 5
AUGUST 4
1917

HORTICULTURE



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A vigorous grower and a good bedder.

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BEST HARDY RHODODENDRONS,
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NOTES ON CULTURE OF FLORISTS' STOCK

John J. M. Farrell

Carnations

Before any planting is done see that the soil is right. If a bench is too dry it should be lightly watered, and later worked over. It will make the planting easier. As to the proper distance to allow between the plants on the benches, that depends upon the variety—the habit of growth, the size of the plants and whether the planting is done early or late. As safe a way on the average as any I find is to have about 8 inches between plants each way. Have everything in readiness as soon as possible to receive the new stock from the field. By that I don't mean that we start exactly on an early date. Weather conditions have too much to do with this, but the benches or part of them should now be in shape to begin. I am sure we all agree today that if we can bench the stock by July 10th or 15th no harm is done. The idea is to get the plant established long before winter sets in.

Cleaning, Painting and Repairing

With the blinding glare of the sun on the glass this work is anything but pleasant, but we can make it more tolerable by shading the house or by placing some covering over the roof. As usual there is plenty to do in setting things right for winter and now is a good time to go to it. A coat of white paint will lighten up the houses and help destroy any insects as well as preserve the wood. For shaking; putty-loosened glass to make a thorough job—and an easy and rapid one too—the removal of all the glass before planting, followed up with a good job of reglazing into a new bed of putty is advisable. There is nothing worse than leaky and draughty houses when the cold and stormy months come. Look over your boilers and pipes, also.

Crotons

Crotons and other foliage plants will soon become full of mealy bug. Plenty of water properly directed from the hose will, however, take care of these pests. A spray nozzle is necessary, one which can be used below the leaves. Plants which have grown somewhat tall and leggy can be readily propagated by means of ringings. All that is necessary is to partly cut through the stem below a leaf joint, push a toothpick in to keep the cut open then tie a bunch of spragnum or other moss around the cut and keep it constantly moist. In a warm, damp atmosphere the moss will soon be a mass of roots when the tops can be cut off and potted. In this way excellent plants can be had in a short time with foliage right down to the pot.

Providing Compost

So important is this and so disastrous is neglect that I feel there is no more timely topic. Prepare a sufficient quantity of good soil and when spring comes you

will bless yourself. Many a florist gets along fairly well in his own opinion by scraping up a load of mother earth here and there and adding a large quantity of animal manure. Nothing impresses me more at the present moment than such carelessness. Get the top three inches of pasture, pile it up in layers six inches thick and for every six inches of sod spread three inches of fresh cow manure. Build the pile with perpendicular sides and a flat top, and in a few weeks you will be able to chop it down and throw it into a long heap which will thoroughly mix it and render it fit to use in early spring for all crops growing under glass.

Reminders

For light, sandy soil cow manure is far preferable to any other kind especially where roses are planted.

On wet days get the flats repaired that were emptied at bedding-out time. They will soon be needed for bulbs.

Prepare any vacant plots now by plowing or digging and careful cleaning so as to be ready for early fall planting.

Where turf has to be stacked it will soon be time to start cutting. Any teaming work necessary should be kept up-to-date now.

Prick out seedling campanulas, pyrethrums, wall-flower and other biennials and perennials before they get crowded in the seed beds.

Next Week:—Adiantums; care of Smilax; Easter Lilies; Geraniums; Sweet Peas for Winter; Reminders.

The Mission of the Flowers

The time has come when it is as necessary to raise a peony as a potato. The vegetable garden feeds the body; the flower garden feeds the soul. These bodies perish; our souls will be young when the stars are old. Many a noble woman with plenty of potatoes has pined away with soul starvation in a great longing for the beautiful.

I have seen the weary mother, after the burdens of the day were over, go out from her humble sad dwelling to feast her soul on her little patch of flowers and she was refreshed thereby. In life and death we find them. Not long since we laid away my wife. In her sweet repose—with countenance transfigured by the peace of heaven which rested on it, lying there so calm and sweet, the flowers seemed to know their mission. They put on their fairest beauty, filling the house with sweetest incense. Flowers everywhere, on the beautiful casket and on the tables and mantels. They escorted her to the grave and lay in great banks—covering the somber earth as the casket, by modern device silently receded from our view.

The old dreary somber way of the funerals of the olden time seemed the celebration of a defeat, while our modern ones are the celebration of a glorious victory. How vividly they prefigure the triumphant entry of the soul, into that land "where everlasting spring abides and never withering flowers."

C. S. Harris.

York, Nebr.

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We read in the account by a contemporary of the mischief done by a recent hailstorm in Anderson, Ind., that "only a small part of the loss was covered by insurance." We presume that Brother Esler will shed no tears over this fact, but had these people—located

in a section where hail storms are not a novelty—wisely responded to his frequent appeals and warnings in the past the money to replace their losses would have been promptly collected. We are not surprised, when a stray hailstorm breaks loose in New England or other locality in which these visitations are comparatively rare, to find that the victims have not regarded it as necessary to insure their glass and in so doing to assume their proportionate assessments to help out those sections of the country where such disasters are frequent, but in Indiana—that's different. We supposed that Esler had these all gathered in long ago under his protecting roof.

And now comes a new proposition right in Indiana, too,—for another florists' insurance association, this to cover any kind of

casualty resulting from storms, not only hail damage but wind and snow damage as well. We are not in a position to venture an opinion as to the chances of success for this new enterprise but it would be well to keep in mind the disastrous ending of many past ventures along insurance lines and go "slow and sure." The Florists' Hail Association in the early and precarious part of its thirty years of existence found some "hard sledding" and it was only by dint of rare courage and persistence that it was moulded and nurtured from "a grope in the dark" into stability and escaped the fate freely predicted for it by men who knew lots about the insurance business. We shall be glad to see the new organization also succeed in its philanthropic purpose but since the hail risk is already so well taken care of it would seem expedient for the infant institution to shun the hail business and not attempt more than cyclone and snow breakage insurance, for which there is an acknowledged widespread need. We should be very sorry indeed to see anything happen to undo the thirty-years' work which Secretary Esler and his associates have done with so much sagacity and perseverance. It is probably true, however, that a successful inauguration of the Indiana project would leave the old Association strong financially, in that its reserve would be greater with a diminished risk.

Almost every day now brings news of some advance in market price, some agreed-upon minimum return for this or that commodity

for which it is claimed that the producing industry has not been receiving an adequate compensation. What a blessing it would be and what a shock, indeed, if some government department or some popular and powerful local organization should come out with a good word for the aesthetic and ornamental side of horticulture, urging that it be not neglected and demonstrating how essential it is that adequate prices should prevail so that the business may be nurtured and a living wage be assured in these days of high prices for everything else. No, that is a dream which will never "come true," yet there comes a glimmer of comfort once in a while as, for example, in the editorial extract from a leading Philadelphia newspaper which we reprint in this issue. A world of good will be done by such kindly considerate sentiments as are there expressed and who will deny that every florist and every plantsman stands to benefit in his business in some degree when such are sent broadcast over the country. Would there were more editors able to see and ready to publicly recognize the hollowness of a civilization with "the gospel of beauty" left out.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS

The New York Convention, August 21, 22 and 23

The trade in New York is greatly elated over Convention attendance prospects. Reports coming in from State Vice-Presidents point to a banner delegation from many sections, and there appears to be little room for doubt that the convention will be the biggest, and, from a business point of view, the best on record.

The announced curtailment of the customary entertainment for visitors does not seem to be at all detrimental to the success of the gathering; judging from many communications received, the absence of anything functional in character is a most welcome feature of the programme. Still, as a precedent the desired policy of no general entertainment is hard to establish and many little surprises await the visitors. New York has always been conspicuous at conventions through its large delegations, whose enjoyment of the hospitalities extended by convention cities has been most marked, and it goes sadly "against the grain" of the New Yorkers to have to give the first push to the new order of things.

The success of the trade exhibition is practically assured. The display will be staged on the main floor of the Grand Central Palace, the home of New York's big annual flower show, and the meeting quarters will be adjacent. The convention management was most fortunate in being able to house the convention in this fine building. Incoming exhibits will be very conveniently handled—in fact, will be received practically on the floor where they are to be staged. There is an excellent cafe and restaurant in the building, and other conveniences such as telegraph, telephones and post office chutes. Adjoining the secretary's office will be found the Bureau of Information, where attendants will be constantly at the service of visitors.

Visitors upon arrival should report immediately at the secretary's office, which will be found at the left of the main entrance to the building.

JOHN YOUNG, Secy.

CHICAGO TO NEW YORK

The Chicago florists bound for the New York Convention will leave La Salle Street station at 11.45 P. M. Sunday, August 19th, and extend a

cordial invitation to all members and friends from west and southwest to join them at Chicago and other members enroute. Special sleeping cars have been set aside for the exclusive use of the florists on the following schedule:

Lv. Chicago,	Sunday, Aug. 19,	11.45 P. M.
Lv. Toledo,	Monday, Aug. 20,	5.00 A. M.
Lv. Cleveland,	Monday, Aug. 20,	8.00 A. M.
Lv. Erie,	Monday, Aug. 20,	11.02 A. M.
Ar. Buffalo,	Monday, Aug. 20,	2.50 P. M.
Lv. Buffalo,	Monday, Aug. 20,	3.15 P. M.
Ar. N. Y. City,	Tuesday, Aug. 21,	5.05 A. M.

NATIONAL FLOWER SHOW.

The second preliminary schedule of the Fifth National Flower Show has been received from Secretary John Young. This great exhibition, under the auspices of the Society of American Florists and Ornamental Horticulturists, co-operating with the American Rose Society, the American Carnation Society, St. Louis Florists' Club, American Sweet Pea Society, American Gladiolus Society, National Association of Gardeners, Chrysanthemum Society of America and Florists' Telegraph Delivery, will be held in Moolah Temple and Auxiliary Buildings, St. Louis, Mo., April 6-15 (inclusive), 1918. The plant classes are, we presume, practically complete in this issue of the prize list. The cut flower classes will be included in the final schedule which will appear in due time. As in the previous National Flower Shows the "commercial" and "private" classes are not yet numbered, but there are about 250 numbers in this plant list alone and they cover a wide range. Space will not permit of a reproduction of the list here and no useful purpose would be served by our so doing, as copies complete may be had for the asking by anyone applying to the secretary for same, but the following lists of the more important "group" classes may be of general interest and will give some idea of the large scale on which the enterprise is planned.

Private Classes.

Acacias—Group covering 200 sq. ft. Prizes, \$400.00.

Flowering Plants and Bulbs—Group covering 150 sq. ft., arrangement for effect. (Orchids excluded). Prizes, \$175.00.

Flowering and Foliage Plants—Collective group, 100 sq. ft., arrangement for effect. Prizes, \$150.00.

Orchids, Plants—Collective group 25 sq. ft., arrangement for effect. Prizes, \$75.00.

Bulbs in Bloom—Arranged as a garden, 200 sq. ft. Prizes, \$250.00.

Commercial Classes.

Acacias—Collection to cover 300 sq. ft. Prizes, \$600.00.

Flowering and Foliage, Stove and Greenhouse Plants—Arrangement for effect 100 sq. ft. Prizes, \$125.00.

Forced Shrubs, Herbaceous Plants, Bulbous Plants, or Any Other Stock, including Trees and Vines, arrangement for effect to cover 400 sq. ft. Prizes, \$500.00.

Hydrangeas—Arrangement for effect to cover 150 sq. ft. Prizes, \$150.00.

Rhododendrons—Arrangement for effect to cover 150 sq. ft. Prizes, \$150.00.

Lilies—50 pots arranged for effect. Prizes, \$80.00.

Orchid Plants—Arranged for effect to cover 250 sq. ft. Prizes, \$1,000.00.

Crotons—Arranged for effect, 50 sq. ft. Prizes, \$115.00.

Open Classes.

Bulbs, Etc.—Arranged as a bulb garden, covering 500 sq. ft. Prizes, \$500.00.

Rose Plants—Any or all classes, arranged as a rose garden, 500 sq. ft. Prizes, \$500.00.

Rock Garden—300 sq. ft. Prizes, \$600.00.

Roses—In pots or tubs. Arrangement for effect, to occupy not less than 150 sq. ft. Prizes, \$150.00.

Azalea Indica—Best display of American grown plants, not less than 6 varieties, 5 plants of each. Prizes, \$100.00.

For schedules or information regarding space in the Trade Section, apply to John Young, Secretary National Flower Show Committee, 53 West 28th St., New York.

As the S. A. F. and O. H. Convention is to be held in conjunction with the show more than ordinary interest attaches to the trade section of the show, which, naturally, will absorb the usual Convention Trade Exhibition. The advantage this presents to exhibitors is being recognized, and reservations of space for extensive displays are already being made. Among the concerns who have booked space are Lord & Burnham Co., Chicago; A. L. Randall Co., Chicago, and the Fulper Pottery Co., Flemington, N. J.

LADIES' S. A. F.

A new Constitution and By Laws will come before the above society for consideration at its annual meeting, Aug. 22. Members please take notice. By order of the president.

MRS. CHAS. H. MAYNARD, Secy.

CLUBS AND SOCIETIES

LANCASTER COUNTY FLORISTS' ASSOCIATION.

The last meeting was held at the home of Elmer Weaver. Quite a number attended. Chas. M. Weaver whose place adjoins that of his brother, Elmer, was made the occasion of the first visit. Of Vick's Royal Aster he has an exceptionally fine strain. There were no weeds visible to the naked eye, but unfortunately the same could not be said of the yellows or rust as this was visible all over the patch to a marked degree and it is quite a problem as it cuts down the revenue from the field considerable, but this was no doubt superinduced by the quantity of rain we have had this season. One house of sweet peas was up about three inches high, another was being plowed and harrowed preparatory to sowing and others are filled with "Baby" chrysanthemums, Smith's Little Gem, Hilda Canning, Delphine Dodge, Veta, Baby Marguerite, Yellow Baby and others. A bed of Poitevlæ geraniums, Albert M. Herr's stock, was glorious, as might be expected.

Elmer Weaver's crop of tomatoes went far toward paying for the new King house he has just put up, which, like his brother's, can be cultivated with horses; they are getting all of their glass into this style to economize on the labor problem. He is going to try out a little variety of hardy stock again this season for the wholesale market and has experimental beds that would attract the average florist for a full day.

President Schroyer appointed Frank Kohr, Elmer Weaver and B. F. Barr as a committee to help free the county from toll roads. A thrilling account of the Reading picnic was given by those who attended and a unanimous vote of thanks ordered sent the Reading Club for their hospitality. B. F. Barr gave a short talk on the Nurserymen's Convention, how much they accomplished along the lines of progressive business and concluded by saying that if the S. A. F. meeting in New York should be conducted along similar lines no one would regret attending. M. J. Brinton brought up the matter of possible rulings by the R. R. Commission of Washington allowing the express companies the privilege of placing an embargo on cut flowers and plants at certain seasons of the year and allowing them twenty-four hours for delivery. He dwelt on the fact that this would not only be a hardship on the florist but it would be a set-back of a hundred years. A resolution was unanimously passed that we go on record as opposed to any and all such rulings. Albert M. Herr was instructed to advise the S. A. F. of this action. President Schroyer stated that Christ Ochs, the Adams Express adjuster, had said that any complaint the Lancaster Club members had with the Adams service should be brought to him and it would

be adjusted at once. This spirit is the result of the club employing an attorney to press its claims and if it comes to the point we will do the same in relation to this movement from Washington.

The next meeting, August 16, will be at the nursery and farm of B. F. Barr.
ALBERT M. HERR.

AMERICAN ASSOCIATION OF NURSERYMEN.

President Lloyd C. Stark, of the American Association of Nurserymen has made the following committee appointments, subject to acceptance, etc.

Arbitration—W. C. Reed chairman, G. A. Marshall, John Dayton, J. M. Pitkin, T. W. Stark.

Arrangements—E. S. Welch chairman, (other members to be named).

Exhibits—A. F. Meehan chairman, Wm. Flemmer, Jr., A. B. Howell.

Nomenclature—J. Horace McFarland chairman, Harlan P. Kelsey, F. L. Atkins, Chas. Malloy, L. A. Berckmans, Hon. Fred Coville, honorary member.

Tariff—Irving Rouse chairman, L. A. Bobbink, Wm. P. Stark, J. W. Hill, Chas. E. Greening, Jas. McHutchison, J. C. Vaughan, D. S. Lake, W. H. Wyman, T. J. Smith, John Dayton.

Statistical—Henry Chase, chairman, John Watson, Wm. Pitkin, E. S. Welch, M. R. Cashman.

Distribution—M. R. Cashman, chairman, S. W. Crowell, Ollie Fraser, Chas. G. Perkins, Wilmer W. Hoopes.

Legislative—Wm. Pitkin, chairman, (other members announced later).

Transportation—Chas. Sizemore, chairman, W. C. Reed, J. Hale Harrison, Jas. McHutchison, Robt. Chase.

Landscape—Thos. B. Meehan, chairman, J. Edward Moon, Paul C. Stark, W. H. Wyman, J. M. Pitkin.

French Relief Committee—Chairman not appointed, E. S. Welch, W. C. Reed.

Program—Henry Chase, chairman, M. R. Cashman, Paul Stark.

Finance—(Sub-Committee of Executive Committee), E. S. Welch, chairman, E. W. Chattin, T. B. West.

Annual Report—Curtis Nye Smith, chairman, John Dayton, John Watson.

Arboretum—J. Edward Moon, chairman, J. Horace McFarland, Henry Hicks, E. M. Sherman, J. B. Pilkington.

Directory—M. R. Cashman, chairman, John Dayton, Wm. Pitkin, E. S. Welch, John Watson.

Press—Robt. Pyle, chairman, Ralph T. Olcott, Arthur Hemming, J. R. Mayhew, W. F. Therkildson.

Telegraphic Code—R. C. Chase, chairman, C. R. Burr, W. H. Stark.

Hail Insurance—Frank Weber, chairman, E. P. Bernardin, H. D. Simpson, C. C. Mayhew, F. L. Atkins, Harry Hobbs.

Publicity—F. L. Atkins, chairman, H. Hicks, J. Horace McFarland, Chas. Greening, Robt. Pyle.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Park Superintendents' Convention

The nineteenth annual convention of the American Association of Park Superintendents is to be held at St. Louis, September 11, 12 and 13, 1917, with headquarters and convention hall at the Planters Hotel.

On account of the central location of St. Louis and the fact that that city has one of the most comprehensive recreation systems in the country, an exceptionally large and representative attendance is expected from all sections of the country.

Each morning of the three days and one evening, will be given over to business sessions with the usual array of papers, addresses, committee reports, discussions, etc. The afternoons will be assigned for inspection tours and two evenings will be devoted to informal social functions.

The following committee is in charge of convention arrangements: Ernst Strehle, Supt. St. Louis Park Dept.; L. P. Jensen, Supt. "Busch Place"; Emmett P. Griffin, Supt. East St. Louis (Ill.) Park Dept.; Louis Koenig, City Forester of St. Louis and W. W. Ohlweiller, Mgr., Missouri Botanical Gardens. St. Louis park authorities have long enjoyed an enviable reputation for hospitality to visiting members, but the convention program indicates that they are going to outdo themselves. Following is a brief digest of the program:

First Day, Tuesday, Sept. 11: 9:00 A. M., Executive Committee Meeting; 10:00 A. M., Opening Business Session; 1:00 P. M., Tour of East St. Louis Park System; 4:00 P. M., Visit Indian Mounds, Proposed State Park; 6:00 P. M., Luncheon at East St. Louis.

Second Day, Wednesday, Sept. 12: 10:00 A. M., Business Session; 1:00 P. M., Trip to City Nurseries, Chain of Rocks, Riverside Club, North St. Louis Parks, Forest Park, Missouri Botanical Garden; 7:00 P. M., Annual "Shaw Banquet" for members. Luncheon and Theatre Party for the ladies.

Third Day, Thursday, Sept. 13: 10:00 A. M., Business Session, Election of Officers; 12:30 P. M., Luncheon at Anheuser-Busch Brewery, "Busch Place"; 1:30 P. M., Tour of South Side Parks and Trip to Grant's Farm where closing business session will be held in the open air; 5:30 P. M., Luncheon at the Sunset Inn; 9:30 P. M., Reception and Dance given by the St. Louis Park Department Association.

Special entertainment will be provided for ladies of the party during the business sessions of the Association.

The officers of the American Association of Park Superintendents are:

President, John F. Walsh, Jr., Claremont Park, New York City, N. Y.
Secretary-Treasurer, Roland W. Cotterill, 523 City Hall, Seattle, Washington.
Vice-Presidents: Henry W. Busch, Detroit, Mich.; Herman W. Merkel, New York, N. Y.; Ernest Strehle, St. Louis, Mo.; Alexander Stuart, Ottawa, Canada; Clarence L. Brock, Houston, Texas; Charles W. Davis, Memphis, Tenn.

SOUTHAMPTON HORTICULTURAL SOCIETY.

The eleventh annual flower show of this society was held on July 25th and 26th, under ideal weather conditions and was voted by one and all as the most successful exhibition in the history of the society. Entries in all class-

es were more numerous than ever and though two large tents were erected for the exhibits, the efforts of the show committee to accommodate them were severely tried. Floral exhibits were more beautiful than ever and the vegetables were far above the usual quality. Commercial men were represented by G. E. M. Stumpp with his usual fine display of floral work; Wm. Tricker, Arlington, N. J., water lilies and other aquatics; Cedar Hill Nursery Co., a stand of alpine and herbaceous plants; Julius Roehrs Co., perennials in great variety; C. Frankenbach and James Guilfoyle very fine exhibits of flowering and foliage plants each; Arthur T. Boddington Co., sweet peas, gladioli and vegetables grown from their seeds and bulbs.

In the competition for big classes of vegetables, Wm. McLeod gard. for Mrs. Horace was 1st for 18 varieties, J. Cassidy, gard. for Mrs. Pomeroy 2nd, and S. Chelenski gard. for Mrs. Gulliver 3rd. The big class in annuals, 20 vars. was also won by Wm. McLeod, with J. Cassidy 2nd and S. R. Candler gard. for Rufus L. Patterson, 3rd. Note should be made of a special exhibit by W. R. Melrose gard. for Col. H. H. Rogers, and which was awarded a gold medal and certificate of culture. This consisted of a huge bank of achimenes, gloxinias, begonias, hydrangeas and standard fuchsias rising almost to the top of the tent and facing the main entrance. This year all the gate receipts were given to Southampton Chapter of Red Cross.

J. DICKSON, Cor. Sec.

CLUB AND SOCIETY NOTES.

The Rose Society of Ontario had an exhibition in Toronto on July 10th which is said to have been by far the most successful show of its kind on record in that section.

The annual Sweet Pea Show of the Worcester County (Mass.), Horticultural Society, on July 26 was an unusually attractive display of flowers and art in arrangement. Fruit and vegetables were also very good.

Due to some delay in the completion of the new building being erected in Manchester, Mass., as the home of the North Shore Horticultural Society the proposed exhibition scheduled for Aug. 8 and 9, has been postponed until Aug. 29 and 30. The committee on exhibition consists of M. H. Warner, Nilson J. Erickson, Murdo McKay, Martyn Izbuse and William Conning.

A very beautiful display of flowers, considering the season, were exhibited at the July show of the Nyack, N. Y., Garden Club, at the Library on July 23. In addition to the display of flowers, there was also a collection of vegetables from the local gardens. W. G. Gomersall of Grand View and F. G. Carnochan of New City, acted as judges and awarded the ribbons.

The Canadian Horticultural Association will hold its twentieth annual convention in Montreal, Aug. 7-9, at Synod Hall. The program as published points to a useful meeting. A numbers of papers on practical topics will be presented and there are to be some enjoyable social events on the afternoon of Wednesday and all day

PAN POINSETTIAS.



The cut shows one of the most popular forms in which poinsettias are grown for Christmas trade. It is full time cuttings were made if they are

to be ready for the holiday. The plants shown were grown by A. L. Miller. The pans are 6, 7 and 8-inch sizes. Note the wire stakes, which are less obtrusive than wood.

Thursday. A bowling tournament—Montreal vs. All Canada is set for Thursday evening.

A FLATBUSH CELEBRITY.

Few men in the florist business in New York are better known or better liked among the trade than Louis

since the first Convention in New York in 1888 and of the New York Florists' Club for the same period. He was an active participant in most of the big bowling tournaments in times past. Witty, generous and companionable always, Louis Schmutz has won a large place in the hearts of all who know him.



LOUIS SCHMUTZ.

Schmutz and we take much pleasure in presenting to our readers so excellent a portrait of this gentleman, accompanied by one also of Louis, Jr., who is all right too, but will have to "go some" to pass his father's record as a good grower, an all-round sport and good fellow. Louis Schmutz is the dean of the Flatbush fraternity. His plant houses on Clarkson avenue have been a landmark since Clarkson avenue was but a farm lane and now the valuable land on which they stand has added to the wealth earned by toil and thrift.

Mr. Schmutz has been a member of the Society of American Florists ever



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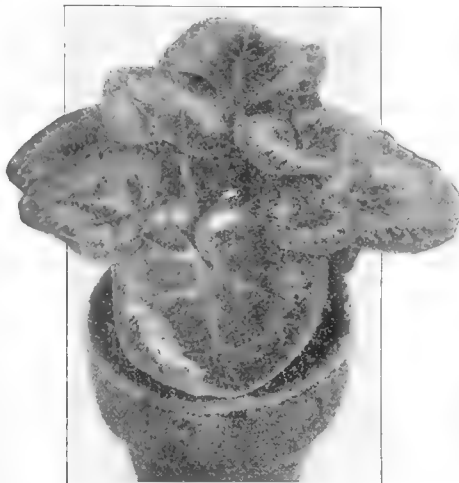
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M. F. T. D.

Of Interest to Retail Florists

A NEW FLORAL DESIGN.

The picture used as a cover of Illustration this week shows a new "Gates Ajar" device for florists' use on which Reed & Keller of New York have applied for a patent. It is believed that this design will supersede the long-used, well-known wire work. It is made of willow basket work, and has attachments to hold flowers in water. When filled it presents a most beautiful appearance, and combined with that, is its simplicity in construction, enabling the florist, with considerably less flowers than formerly used, to easily make a much handsomer floral piece than with the old fashioned wire frame. The floral work on the piece illustrated was done by Wm. Hanft, well-known decorator for Young & Nugent.

NEW FLOWER STORES.

Buffalo, N. Y.—W. J. Peake, removed to 25 Walden avenue.

San Francisco, Cal.—Joseph Horowitz, 1541 Haight street, succeeding Chas. K. Kaneko.

Webster, Mass.—"Morris Hunt Slater Park," the gift of Mrs. Mabel Hunt Slater to the town of Webster, a deed for which has been formally turned over to the selectmen, was officially opened on Thursday night, when a band concert was given. The property known for years as the Knolls, and the home of the Slaters for years, consists of twelve acres, and the fine house and other buildings are now the property of Webster, to be used in any way the town sees fit. Originally given by Mrs. Slater as a boys' club, the gift has been broadened to include all the people of the town, to be used in any manner that the town sees fit. Following the gift to the selectmen, acting for the town, it has been turned over to the park commissioners, and this body will look after it.

The following report, just received, shows the steady, healthy growth of F. T. D. affairs.

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July				
1912	\$1,300.00	\$200.00	58	\$200.00
1913	2,185.00	375.00	57	285.00
1914	3,581.50	500.00	84	420.00
1915	4,160.00	1,300.70	49	245.00
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NEWS ITEMS FROM EVERYWHERE

CHICAGO

Miss Edna Frauentelder, who is associated with her father in the retail business, says trade in July was remarkably good. Thinking the summer quiet was now here Mr. Frauentelder left for a week's rest, but the door had scarcely closed behind him when trade revived and all hands were needed to fill orders. Miss Edna expects soon to take an extended trip east.

Mr. and Mrs. Roy Berg, 5729 W. Chicago avenue, spent a week in Saugatuck and Macatawa Beach in Michigan. Allie Zech and family have gone on another trip. A. Kohlbrandt, who devotes his business hours to giving E. C. Amling's shipping trade his undivided attention, is also on a vacation. Miss Nettie Parker, for several years bookkeeper for A. T. Pyfer Co., left on Saturday with her sister for a tour in the east, stopping first at Washington.

The opening of a retail flower store at 3511 W 26th street on August 1st, calls attention to the fact that between Kidzie and Crawford avenues on this street there have been five retail flower stores, all apparently doing a good business. The sixth one is to be owned by Bolumir E. Velisek, former financial secretary of the Bohemian National Cemetery, one who should know the probabilities of success in this neighborhood, the population of which is largely Bohemian. This does not look as if the flower business was suffering any decline from the effects of the war or from any other cause on 26th street which is the State street of this part of the city.

PITTSBURGH.

Arthur I. Hall with his family, will have his usual sojourn at Atlantic City.

William A. Clarke and family are located for the season at Chautauqua Lake, N. Y.

Accompanied by his family, Joseph Koenig left last week for a lake trip and the north-east section of the state.

Ralph F. Pinney, landscape architect for the A. W. Smith Co., has enlisted with the First Ambulance Corps, N. C. P., while Howard E. Andrews has cast his lot with the Signal Corps.

Clarence C. Phillips, head salesman for the McCallum Company, has returned from a trip through West Virginia, where he reports business conditions exceptionally good.

The Charleston Cut Flower & Plant Co. of Charleston, is adding a 40 x 150 addition to their rose section; while the Cameron Co. has three houses in course of construction.

At Clarksburg the Hayman Greenhouse Co. has an exceptionally attractive display window; a Swiss mountain scene with a rippling stream and lake and gorgeously colored singing birds.

NEW YORK.

A vicious hail storm did considerable damage to greenhouses, frame sash and exposed vegetation in and around North Bergen, N. J., on Sunday.

The florist employees in this city, both wholesale and retail, were quite heavily drawn upon in the military conscription. Some of them will be seriously missed.

Peter Beuerlein, who for over a quarter of a century has been located in the florist business in Elmhurst has removed to his farm, near Westwood, N. J. The removal of Mr. Beuerlein's business from Long Island to New Jersey is the result of the widening proceedings on the south side of Queens boulevard.

Max Schling has incorporated his business for \$50,000. The floor area which he had at 22 West 59th street was not sufficient for his increasing business, and this he will keep for a seed department moving the flower and landscape department to 785 Fifth avenue as mentioned in our last week's issue. The new premises will give him 9,000 square feet of floor space. The corporate name of "Max Schling, Inc." will be the same for both places, 785 Fifth avenue and 22 West 59th street.

ROCHESTER.

Salter Brothers have a unique window display a large fish pond with a beautiful rockery island, rustic bridge, pergola and aquatic plants. Birds and bears, storks and fish are also included.

Asters at the James Vick's Sons' farm, of which about 100 acres are for seed purposes, are making a good start now. The cold weather has held them back dreadfully, but this warm spell is doing them a lot of good.

Among the florists who are on vacation are Miss Bossler, of the Lord & Burnham Co., who is in the Adirondacks; Geo. Prenzle, of Salter Bros., who is on an automobile trip to Boston and other points; Mrs. E. C. Armbrust, at New Britain, Conn.; K. Owens, of the Rochester Floral Co., at the Lake and later to tour to Cleveland.

WASHINGTON, D. C.

Miss Jessie Fay West, of the George C. Shaffer store, sprung a surprise on her friends recently by becoming Mrs. Wilbur I. Doty. Mr. Doty was formerly in the employ of Fred H. Kramer, but is now a sergeant in the Hospital Corps and is one of those who is shortly to leave for France. As a member of the National Guard, Mr. Doty saw service when his outfit was called out to help Uncle Sam settle the Mexican difficulties. It is said that Mr. Doty is in camp in Pennsylvania.

Frank Weaver, of the Leo Niessen Co. store, is spending vacation at Colonial Beach, Va. Walter Hawley, of the Gude Bros. store, and Mrs. Hawley, have gone to New England for a month's stay. Mr. and Mrs. J. Henry Small, Jr., will spend an extended vacation at Poland Springs, Me. James Dalgleish, of the J. H. Small store, with Mrs. Dalgleish, spent a vacation in Braddock Heights, Md. The name of Charles Bolgiano, only son of F. W. Bolgiano, appears on the Honor Roll of those drawn for service in the new national army.

BOSTON.

Mr. and Mrs. Edgar A. Lincoln of Brockton announces the engagement of their daughter, Frances Ray to Embert F. Oliver of Avon. Mr. Oliver is a well known florist.

The furious thunder storms of last Friday did a considerable damage to garden crops and in some places was accompanied by hail which in addition to beating outdoor vegetation to pieces broke much glass in Stoneham, Wakefield and Reading greenhouse establishments. Such occurrences are infrequent in this section and it is not likely that the Hail Association will be called upon for any considerable amount if any.

CINCINNATI.

Mr. and Mrs. W. Ray Murphy are on an auto tour through Ohio.

Mr. and Mrs. Clarence Ohmer and son Jim, will spend August visiting in Indiana and Ohio.

L. H. Kyrk has been under the weather for several days. He expects to be back at his desk by the end of the week.

H. BAYERSDORFER & CO.
Manufacturers and Importers
 1129 Arch St. PHILADELPHIA, PA.
 A Full Line of Bridal Accessories for the June Wedding Decorations
STOCK UP NOW
THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

THE F. T. D. CLEARING HOUSE OF PAST DUE BILLS.

It being an unfortunate fact that a goodly number of retail florists are absolutely unreliable and never intend to pay a bill they can escape, why cannot all the good reliable retail florists help weed out this detrimental element in our profession? Do not say: "It Can't Be Done," but help to knock the T out of the can't and there is one way it can be accomplished and bring results quickly, and that is nothing more than sincere and earnest co-operation with the Secretary of The Florists' Telegraph Delivery.

Hundreds of past due and old bills have come through The F. T. D. Clearing House, sent in by members, and right today we could get up a list of retailers around the country who are well known and prominent florists but who never pay their bills on time, and some bills they do not intend to pay for at all. Over the past period of twelve months I have come across bills of a few retailers almost daily, and these bills were from F. T. D. members from every part of the United States and Canada. Some retailers I know who have owed bills to at least fifty F. T. D. members, in fifty different localities, and have owed them for a long time and only by threatening them that all our membership would be notified and warned not to fill any more orders for them, have we been able to get them to pay their bills.

Our F. T. D. members are advised not to fill orders for every retailer around the country, unless such retailers have established a credit with them, or are F. T. D. members, as this membership, through its guarantee fund, which is now over \$7,000.00 has established a credit for every member, and is, also, advising every member to pay bills promptly to all florists who are not members of the F. T. D., in order to build up a strong reputation for the entire membership.

The poor, or non-paying florists can only be eliminated by co-operating with the Secretary of the F. T. D. Send itemized bills to the F. T. D. Clearing House of all bills you have against other retailers, so they may be recorded in this office, and the parties owing it will be corresponded with.

It has become absolutely necessary to sift out the men that send out telegraph orders for others to fill, without any intention of ever paying for same, because a number of good retailers have been stung a great deal of late and are getting to a point where they do not even care to fill orders for any one, good or bad, which is bringing on some very embarrassing conditions, as the F. T. D. members are constantly advertising the fact to their patrons that they can make deliveries anywhere. For once and all the time, do not put the F. T. D. members, or at least the majority of them, on the same scale as you would some retailer who has owed you a bill for a long time, as this is absolutely against the

F. T. D. Association's by-laws and constitution, and if any F. T. D. members owe you money long past due, do not hesitate to send an itemized bill to the F. T. D. Secretary who will at once do his best to censure any such members. Every F. T. D. member must do his best to set an example, and is compelled to do so, in order to hold his membership.

All these things must be put on more of a business basis, and can be done only by co-operation. Why do people pay their gas, electric and water bills and taxes promptly? Because they lose the discount if they don't. Why not let the florists who do not pay their bills for transfer orders promptly, lose the discount? This would soon cure a good many slow payers.

It is up to the retail florists to make a better and more efficient retail florist trade, and make their profession looked upon by the public from a different angle than it has been for a good many years. Let the retail florists of today be 50 per cent merchant and 50 per cent floral artist. I am sure that in many cases there is not 15 per cent mercantile ability installed in some retail floral shops.

My six years experience of being in constant touch with retailers throughout the entire country, both F. T. D. members and non-members, has given me the greatest and most interesting study I have ever had in my life, and with that a great deal of enjoyment. In this work for a better and more efficient Retail Florist Trade.

ALBERT POCHELON, Secy. F. T. D.

New London, Conn.—Eli Fellman of Boston has entered the employ of Fisher, the florist. Mr. Fellman and Mr. Fisher were co-workers in a large florist shop in Boston several years ago.

HOTEL CUMBERLAND

NEW YORK, Broadway at 54th Street



Broadway cars
from Grand
Central Depot

7th Avenue Cars
from Penn'a
Station

New and
Fireproof

Strictly First-Class
Rates Reasonable

Rooms with Adjoining Bath
\$1.50 up

Rooms with Private Bath
\$2.00 up

Suites \$4.00 up

10 Minutes Walk to 40 Theatres

Send for Booklet

HARRY P. STIMSON

Formerly with Hotel Imperial

Only New York Hotel Window-Screened Throughout

DURING RECESS

St. Louis Florists

The picnic was a success and everybody who attended had an enjoyable time. The ball game was a hot time. Frank Gorly umpired and "kicks" were frequent from the wholesalers that he favored the retailers in the breaks. This he resented and declared that had he done so he would be charged with having bought gladioli 25 per cent. under value in the morning. C. W. Wors had charge of the guessing contest. W. J. Pitcher was busy getting members for the S. A. F.

THE EVENTS.

Novelty race for men, 50-yard dash for boys, novelty race for single ladies, and select draft for married ladies, a prize to each one. Nigger baby, boys: 1st, Fred Vandover; 2nd, Donald Wells. Flag contest, girls: 1st, Celesia Weissner; 2nd, Marguerite Wors. Ball throwing, girls: 1st, Doratha Chadsey; 2nd, Violet Faerber. Guessing: 1st, Sylvia Faerber; 2nd, Tom Kirkwood. Tug-of-war, Growers vs. Retailers: Won by Growers. Ball game: Wholesalers beat Retailers, 14-13.

Buffalo Florists' Club.

The annual outing of the Buffalo Florists' Club members and their families was held at Smith's Grove on Wednesday, July 25. The program included a baseball game between the storemen and the greenhouse workers and other athletic contests and dancing. All had a good time.

Toronto Retail Florists

The picnic of the Retail Florists' Club of Toronto took place on Wednesday, July 11. Rain interfered somewhat with the full enjoyment of the day, but all had a good time, nevertheless.

100,000 Field-grown Carnation Plants

C. W. Ward	R. P. Enchantress	Matchless
Alice	L. P. Enchantress	White Wonder
Siegwart	Supreme	White Perfection
Miss Theo	Alma Ward	Champion
Belle Washburn	Victory	Beacon
		White Enchantress

Ready for immediate delivery. Send for complete list. Let us know of your requirements.

THE LEO NIESSEN CO.

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.

TRY

Horticulture's Advertisers FIRST

Before Looking Elsewhere

Tell Them You Did So And
They'll Reciprocate

EDWARD REID WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

H. M. ROBINSON & CO. BOSTON'S FOREMOST Wholesale and Commission Florists

87 Otis Street, 2 Winthrop Square
BOSTON, MASS.

Telephone 2618-2617-2616, Main.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

75,000...\$2.00. 50,000...\$1.75. Sample free.
For sale by dealers.

E. G. HILL CO.

Wholesale Florists
RICHMOND, IND.

Please mention Horticulture when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS
Consignments Solicited

Hardy Fancy Fern Our Specialty
264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service

ZECH & MANN

We are Wholesale Florists Doing
a Strictly Wholesale Business

30 East Randolph Street, CHICAGO



POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

262B DEVONSHIRE ST., BOSTON, MASS.
Telephone, Main 6267-6268

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Aug. 2	ST. LOUIS July 30	PHILA. July 30
Roses			
Am. Beauty, Special	10.00 to 20.00	..... to 25.00	20.00 to 25.00
" " Fancy and Extra	6.00 to 10.00	..... to 10.00	10.00 to 15.00
" " No. 1 and culls	3.00 to 6.00	..... to 10.00	..... to 10.00
Russell, Euler, Mock	1.00 to 6.00	5.00 to 12.50	3.00 to 10.00
Hadley	.50 to 6.00	5.00 to 8.00	3.00 to 6.00
Arenberg, Hoosier Beauty	.50 to 4.00	1.90 to 3.00	..... to 10.00
Ward	.50 to 4.00	1.50 to 3.00	1.00 to 4.00
Killarney, Radiance, Taft	.50 to 4.00	1.00 to 3.00	1.00 to 4.00
Ophelia, Sunburst, Hillingdon	1.00 to 6.00	2.00 to 6.00	1.00 to 3.00
Carnations	.50 to 1.00	1.00 to 2.00	1.00 to 2.00
Cattleyas	30.00 to 50.00	..... to 75.00	40.00 to 50.00
Dendrobium formosum	..... to 50.00	..... to 10.00	..... to 10.00
Lilies, Longiflorum	3.00 to 6.00	10.00 to 12.50	6.00 to 8.00
Lilies, Speciosum	2.00 to 3.00	..... to 10.00	4.00 to 5.00
Lily of the Valley	5.00 to 8.00	..... to 5.00	5.00 to 6.00
Snaptagon	1.00 to 2.00	..... to 10.00	..... to 10.00
Gladioli	1.00 to 3.00	2.00 to 4.00	2.00 to 4.00
Asters	.50 to 1.00	1.00 to 3.00	.50 to 2.00
Sweet Peas	.25 to .50	..... to 10.00	..... to 10.00
Marguerites	.50 to .75	..... to .50	..... to 10.00
Gardenias	..... to 1.00	..... to 1.00	..... to 1.00
Adiantum	.25 to 1.00	..... to 1.00	.75 to 1.00
Smilax	6.00 to 8.00	12.50 to 15.00	10.00 to 15.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	15.00 to 25.00	..... to 25.00	35.00 to 50.00

WILLIAM F. KASTING Co. Wholesale Florists

568-570 WASHINGTON STREET - BUFFALO, N. Y.

J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

Flower Market Reports

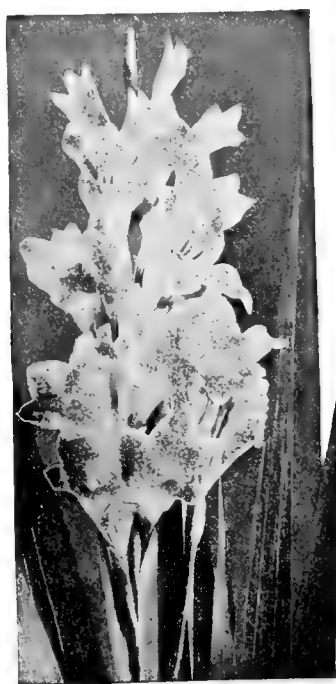
All trade is about at a **BOSTON** standstill in the wholesale markets this week. It is, all in all, probably the smallest week in aggregate sales that this market has experienced in years. There is little in sight except lilies, astors, small roses and gladioli. The latter are received in quantities without limit and few sales average over \$1.00 a hundred. Lilies are still overstocked but they are real good. Astors are also of good quality, but prices has fallen sharply since last week.

July closed with the **CHICAGO** government thermometer registering at 98 and a hot wind from the southwest taking all the life out of both flowers and business. Every one who can do so is taking a vacation and those who can not are working as little as possible. Trade came to a sudden standstill after the week end, sales having been a small fraction of what they generally are on Saturday. Beauties are coming on nicely and it is regretted that there is not a better demand for them as their keeping qualities are superior now to those of some other roses just now popular. Lilies are more in evidence than usual in mid-summer and quality is good. Like all other flowers lilies are being sold at considerable reduction from the quoted prices to the buyer on the spot. Carnations are seen in the market that look all right, but it is noticeable that some of the heaviest shippers are cutting them off their lists. Cattleyas are getting scarce. Lily of the valley just about equals demand. Gladioli are coming more rapidly and some fine stock is offered especially of Francis King. America and Chicago White are not quite so much in evidence. Shipping trade holds up remarkably well for the season.

Business is somewhat quiet. Shipping

business, except in greens is only fair. Roses are in a heavy supply but only a few are long and of a high quality. A few excellent Maman Cochet are coming in. Lilies are more than enough to go around. Excellent Auratum and Rubrum come into the wholesale houses. Gladioli and asters are plentiful and a substantial proportion of each are of the highest quality.

Market notes at this time of the year and in this year especially, are of very little use to anybody, so far as we can see. Whatever small desultory trading had been going on previously was pretty well petered out when this week's unprecedented torrid wave struck the city. Flowers are being shipped in daily by growers and are cared for to the best of the dealers' ability but much of the stock is scarcely worth the trouble when received and buyers are but few and far between. Asters have practically replaced carnations now. Roses are mostly of the very small grades and generally poor, but the American Beauty, Mrs. Russell and Ophelia are "making good" as keepers even under



GLADIOLI

Splendid quality, good long well flowered spikes, all colors.

\$25.00, \$30.00 per 1,000
\$3.00, \$4.00 per 100

ASTERS

Choice quality assorted colors.

\$1.00, \$1.50, \$2.00 per 100

S.S. PENNOCK CO.

THE Wholesale Florists of PHILADELPHIA

NEW YORK
117 W. 28th St.

BALTIMORE
Franklin & St. Paul Sts.

PHILADELPHIA
1608-1620 Ludlow St.

WASHINGTON
1216 H. St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI July 30		CHICAGO July 16		BUFFALO July 30		PITTSBURGH July 23	
Roses								
Am. Beauty, Special.....	25.00	to 30.00	25.00	to 30.00	20.00	to 25.00	20.00	to 25.00
" " Fancy and Extra.....	15.00	to 20.00	15.00	to 25.00	15.00	to 20.00	12.50	to 18.00
" " No. 1 and culls.....	8.00	to 12.00	4.00	to 10.00	2.00	to 3.00	3.00	to 8.00
Russell, Euler, Mock.....	3.00	to 8.00	3.00	to 20.00	2.00	to 5.00	8.00	to 15.00
Hadley.....	.....	.....	.....	.....	3.00	to 5.00	.....	.....
Arenberg, Hoosier Beauty.....	3.00	to 8.00	2.00	to 30.00	3.00	to 5.00	.....	.....
Ward.....	3.00	to 6.00	3.00	to 8.00	2.00	to 4.00	3.00	to 8.00
Killarney, Radiance, Taft.....	3.00	to 6.00	2.00	to 8.00	2.00	to 6.00	.....	.....
Ophelia, Sunburst, Hillingdon.....	3.00	to 8.00	2.00	to 8.00	2.00	to 6.00	3.00	to 10.00
Carnations	1.00	to 2.00	1.00	to 3.00	.50	to 1.50	1.00	to 2.00
Cattleyas	.....	75.00	50.00	to 75.00	40.00	to 50.00	25.00	to 50.00
Dendrobium formosum.....	.....	.....	.....	.....	.....	.....	.....	.....
Lilies, Longiflorum.....	8.00	to 10.00	5.00	to 8.00	6.00	to 10.00	6.00	to 10.00
Lilies, Speciosum.....	.....	.....	.....	.....	3.00	to 5.00	.....	.....
Lily of the Valley.....	.....	7.00	4.00	to 6.00	.....	.....	.....	.....
Snapdragon.....	3.00	to 5.00	3.00	to 6.00	2.00	to 3.00	1.00	to 2.00
Gladioli.....	4.00	to 6.00	3.00	to 6.00	2.00	to 5.00	3.00	to 8.00
Asters.....	2.00	to 3.00	.....	.....	1.00	to 2.50	1.00	to 3.00
Sweet Peas.....	.35	to .50	.25	to 1.00	.20	to .75	.....	.....
Marguerites.....	.....	.....	.25	to 1.00	.50	to 1.00	.....	.....
Gardenias.....	.....	.....	.....	.....	.....	.....	.....	.....
Adiantum.....	.....	1.00	.....	.75	1.00	to 1.25	.75	to 1.25
Smilax.....	.....	15.00	20.00	to 25.00	15.00	to 20.00	.....	15.00
Asparagus Plu. & Spren. (100 Bhs.)	20.00	to 25.00	25.00	to 50.00	25.00	to 50.00	20.00	to 50.00

the test of this week's great broil. Many of the familiar faces about 28th street and vicinity are missing, either on vacation or holiday or gone to camp duty.

PHILADELPHIA Asters have greatly improved both in quality and quantity and the supply of gladioli is also much better. The best sellers are Mrs. Francis King, Panama, America, and Augusta. The old and popular Branchleyensis has had to take a back seat although it is still in the running. Some new crop American Beauty roses are now arriving and add a little interest to the situation. Russells are still good—so are Ophelias and Sunbursts. We have at present a fine assortment of lilies, among them being regale, longiflorum, rubrum, album, auratum, and tigrinum.

PITTSBURGH On the whole, the July business has been fairly good. There are quantities of flowers, but, with the exception of gladioli, practically all are of inferior quality. These

are exceptionally attractive this season, but the scorching skies of the past two weeks have so rapidly developed the asters that they are in miserable shape. There are a few dahlias, as well, to which the same description applies. The wholesale dealers are refusing some of the "softer" blooms, sweet peas, for instance. Of roses and lilies, there are scarcely enough to supply the markets hereabouts.

ROCHESTER Enormous quantities of outdoor flowers are seen in the markets and many go to waste. Thousands of sweet peas arrive daily. They are very soft this season and do not last at all good. Carnations are very plentiful and are being sold on the streets at 15 cents per dozen. There is a good supply of Harrisii lilies, but they are not selling at all well. Asters are arriving slowly. Outdoor gladioli—chiefly reds—are making their appearance and sell pretty well. Candytuft and achillea is used a lot for baskets. Bachelor buttons.

(Continued on page 131)

H. E. FROMENT
Wholesale Commission Florist
Choice Cut Flowers
New Address, 141 West 28th St., NEW YORK
Telephones: 2200, 2261, Madison Square.

HENTZ & NASH, Inc.
Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 755
Farragut New York

WM. P. FORD
Wholesale Florist
107 W. 28th Street, NEW YORK
Telephone 5335, Farragut.
Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT
WHOLESALE FLORIST
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CONSIGNMENTS SOLICITED
PHONE 608 FARRAGUT NEW YORK

JOHN YOUNG & CO.
WHOLESALE FLORISTS
53 WEST 28th STREET NEW YORK CITY
Consignments Solicited
Phone Farragut 4336

THE KERVAN COMPANY
Ferns, Mosses, Wild Smilax, Galax,
Leucothoe, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorative Evergreens.
Tel. (580) 5803 West St. 119 W. 28 St., New York

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
8 Willoughby St., Brooklyn, N. Y.

M. C. FORD
121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

GEORGE B. HART
WHOLESALE FLORIST
24 Stone St., Rochester, N. Y.

RIEDEL & MEYER, Inc.
Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

P. J. SMITH
WHOLESALE COMMISSION FLORIST
SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes.
TELEPHONE 2281 (FARRAGUT) 131 West 28th St., NEW YORK CITY
3089

ALBANY CUT FLOWER EXCHANGE
THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY
— SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US —
Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section
CHARLES MILLANG
Wholesale Florist
55 and 57 W. 26th Street, - - NEW YORK
Telephone 2483 Farragut

ORCHIDS - - GARDENIAS
HEADQUARTERS for the entire output of the
BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.
PAUL MECONI — Wholesale Florist — NEW YORK
Telephone Nos. 3864 and 8364 Madison Square 57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us
FANCY GRADE ORCHIDS, SEPTEMBER MORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.
GUTTMAN & RAYNOR, Inc., Wholesale Florists
Phone: Farragut 558, 2036 and 2037 111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending July 28 1917		First Half of Week beginning July 30 1917	
American Beauty, Special	12.00	to 20.00	12.00	to 20.00
" " Fancy and Extra	8.00	to 12.00	8.00	to 12.00
" " No. 1 and culls.	1.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock	.50	to 6.00	.50	to 6.00
Hadley	.50	to 6.00	.50	to 6.00
Arenberg, Hoosier Beauty	.50	to 4.00	.50	to 4.00
Ward	.25	to 3.00	.25	to 3.00
Killarney, Radiance, Taft	.25	to 3.00	.25	to 3.00
Ophelia, Sunburst, Hillingdon	.50	to 8.00	.50	to 6.00
Key	.50	to 4.00	.50	to 6.00
Carnations	.50	to 1.00	.50	to 1.50

WALTER F. SHERIDAN
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

JOSEPH S. FENRICH
WHOLESALE FLORIST
LILIES EVERY DAY
51 W. 28th Street, New York
Telephones, 420-421-422 Mad. Sq.

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
436 6th Avenue, Between 26th and 27th Sts., New York
Telephones: 797, 798, 799 Farragut
Consignments Solicited

HERMAN WEISS
WHOLESALE FLORIST
Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.
130 West 28th Street, Tel. Farragut 634,
NEW YORK.

HENRY M. ROBINSON CO. OF NEW YORK
WHOLESALE FLORISTS
55-57 West 26th Street
Telephones, 13-8510 Madison Square Consignments Solicited
MAURICE L. GLASS, Treasurer

MAKE YOUR OWN CHRISTMAS WREATHS START THEM NOW

USE OUR NATURAL PREPARED
GREEN LYCOPODIUM
Fire proof and guaranteed not to become brittle. Put up in convenient size carton, 10 lbs. net. This is a good substitute for Sea Moss.
PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street, PITTSBURGH, PA.

Flower Market Reports

(Continued from page 129)

calendulas, coreopsis and helianthus all are in big supply, but do not sell very good. Shipments of roses include very good Sunburst and Marylands, but they pop open very fast. Large quantities of greens are reaching the markets, for which there is not much sale.

Trade absolutely at a **ST. LOUIS** standstill. Stock in asters small. Tube roses are in but not in big supply. Roses show the effect of the terrific heat. No supply of carnations at all last week.

Consignments of gladioli are so great that the receivers find difficulty in making room for them and it has gotten to the point where it is only where quality and price are attractive that orders are placed. Lilies giganteum, rubrum and regale are in heavy supply and there is little or no sale. Roses are very small. Only a few of the Northern roses are reaching the market in salable condition. Carnations are about done for. The summer slump is not so bad this year because of the largely increased population and the fact that there is more entertaining this summer than ever before. It has rained practically every day for so long that twenty-four hours of fair weather would come as a surprise.

Visitors Register

Washington, D. C.—R. E. Faust and George W. Cohen, of Cohen & Hiller, New York.

Boston: P. Welch, Old Orchard, Me.; J. J. Karins, Dreer's, Philadelphia.; D. G. Weigand Bruss, Boskoop, Holland.

Philadelphia—John J. Perry, Pen-nock Co., Baltimore, Md.; W. H. Wright, Lynchburg, Va.; A. Lee Don, Weeber & Don, New York City.

Rochester, N. Y.—I. W. Bayersdorfer, Phila, Pa.; C. M. Archer, Roseville Pottery Co., Zanesville, Ohio; T. M. Phillips, S. A. Weller Co., Boston.

Cincinnati—Alfred Palmer, Indianapolis, Ind.; Frank J. Schoen, Cleveland, Ohio; Wm. Hull, Bristol, Tenn.; W. H. Gardner, Richmond, Ind.; Charles Pommert, Amelia, Ohio; Sam Seligman, New York City.

Chicago: Mr. Hanselman, Indian-

PATRICK WELCH, WHOLESALE FLORIST
262 DEVONSHIRE STREET, BOSTON, MASS.
American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.
STORE OPEN FOR BUSINESS AT 6 A. M. TELEPHONE MAIN 2698.

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending July 28 1917		First Half of Week beginning July 30 1917	
Cattleyas.....	25.00	to 60.00	25.00	to 50.00
Dendrobium formosum.....	.....	to 40.00	.....	to 40.00
Lilies, Longiflorum.....	2.00	to 4.00	2.00	to 4.00
Lilies, Speciosum.....	1.00	to 3.00	1.00	to 3.00
Lily of the Valley.....	4.00	to 6.00	4.00	to 8.00
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	2.00	to 3.00	2.00	to 3.00
Sweet Peas.....	.15	to .50	.15	to .50
Marguerites.....	.25	to .50	.25	to .50
Gardenias.....	10.00	to 20.00	10.00	to 20.00
Adiantum.....	.25	to 1.00	.25	to 1.00
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, & Spreng (100 bunches).....	10.00	to 20.00	10.00	to 20.00

J. K. ALLEN, WHOLESALE COMMISSION FLORIST

Always Ready to Receive Consignments and Can Market Them Satisfactorily. Wanted Specially, Early Peonies, Gladioli, etc., for Spring Trade.

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We Solicit Consignments of New
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Cut Flowers of All the Leading Varieties
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Florists' Supplies

We manufacture all our
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and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

NEWS NOTES.

Savanna, Ill.—Joseph W. Dunn has purchased the establishment of the Savanna Greenhouse Co., which had been in the hands of a receiver since last January.

Portland, Ore.—Wilson, Crout & Gehr Co., have purchased two greenhouses of the Pfunder Greenhouse Co. and moved them to their establishment.

apolis, Ind.; J. S. Gardiner, Council Bluffs, Iowa; J. E. Terrill, Lethbridge, Alberta, Can.; Irwin Bertermann, Indianapolis, Ind.; Mr. and Mrs. Geo. Blackman, Evansville, Ind.; Mr. and Mrs. Paul Schultz, Vincennes, Ind.; Miss Dora Meredith of Hensbrecker & Cole, Springfield, Ill.; C. C. Pollworth, Milwaukee, Wis.; Geo. Hampton, Phila., Pa.; Mr. and Mrs. Geo. Uris, Omaha, Neb.; Wm. Fowler, Bryn Mawr, Pa.

CREDIT TO MINORS.

And for goods not necessities, nobody is responsible when they are sold to a minor. The parents aren't because they are responsible only for necessities supplied to their minor children, and not always, as stated above, even for those. And the minor himself isn't responsible, when goods he has bought aren't necessities, because minors' contracts for goods not necessities are void.

An argument is on now as to who is responsible for these purchases, and it looks as if some of our country is still in the war. We find out now that most, if not all, of the young women in question are under age, and their parents refuse to pay not only our account, but several other accounts. In some cases the young women are wealthy in their own right, and there may be some chance of collecting in that way, but they have refused to do so when approached and we suppose we will be forced into the courts before we are through.

Please advise whether these young women, being under age, can be held responsible, or whether any one else can be held responsible for this account.

R. A. McW.

The merchant who sells anything to a minor without getting his cash is gambling with fate. By minor I mean a man or woman under twenty-one years old. It is unsafe to give a minor credit even for necessities, for while he is sometimes responsible for contracts which he makes for necessities, it is only when his parents have not supplied him with necessities. If his parents have supplied him with necessities fitted to his station in life, nobody is responsible when the minor buys goods which under other circumstances would be necessities.

For instance in one case, a boy twenty years old went to a clothing house and bought a \$50 overcoat. He had nothing and couldn't pay, and when the dealer sued his father, on the ground that the coat was a necessity, the father proved that the boy already had six overcoats, and the court ruled that the \$50 one was therefore not a necessity. By the time

the coat was bought with the coat was

And for goods not necessities, nobody is responsible when they are sold to a minor. The parents aren't because they are responsible only for necessities supplied to their minor children, and not always, as stated above, even for those. And the minor himself isn't responsible, when goods he has bought aren't necessities, because minors' contracts for goods not necessities are void.

The goods this correspondent has been supplying these young and irresponsible war workers are clearly not in the necessity class. Therefore it is not debatable that the young women, if they wish to repudiate their responsibility, can do so with entire impunity. Nobody can make them pay if they do not wish to. And of course their parents aren't any more responsible than I am, for the goods weren't needed for the girls' support, and the parents are outside of the matter entirely.

Most retail merchants, and some wholesale, get up against transactions with minors, and they take all kinds of risk if they only knew it. They usually depend on the idea that they can get the money out of the parents, but it is very seldom indeed that they can do that. Not in more than 25 per cent. of the cases have the courts held that the parents were responsible. Either the goods furnished weren't necessities at all, or if they were necessities, they weren't such in the given case, as the parents had already fully supplied the minors' needs.

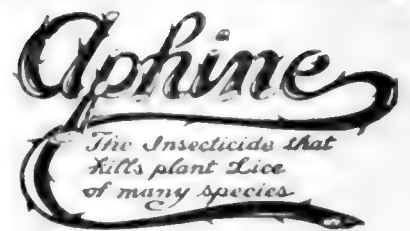
The cases show that the dealers who suffer most in these cases are confectioners, grocers, photographic supply houses, dry goods dealers, automobile supply houses, jewelers and clothing dealers. But there are cases where minors made contracts for building materials, and bought farm implements, and signed leases, and bought horses and a lot of other things. In every case the decision was the same—if the goods were not necessities of life, nobody was responsible and the dealer couldn't collect. He could get the goods back if they were still in the minor's hands. Not so, however, if they had passed in good faith into other hands.

If they were necessities, the minor or his parents, if they were living, were responsible if proper necessities had not already been supplied him.

The law even goes so far as to say that a minor can lie about his age (except in Iowa and Kansas), get goods through his lies, and then repudiate his contract.

The only safe way to sell a minor on credit, is to have the account guaranteed by somebody else in writing. I repeat, in writing; a verbal guarantee of another's debt is not good.

(Copyright, July 1917, by Elton J. Buckley.)



The Recognized Standard Insecticide.
A spray remedy for green, black, white fly, thrips and soft scale.
Quart, \$1.00; Gallon, \$2.50.

FUNGICIDE

For mildew, rust and other blights affecting cereals, fruits and vegetables.
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VERMINE

For ear worms, angle worms and other worms working in the soil.
Quart, \$1.00; Gallon, \$2.50.

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Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c.; Pint, 40c.; Quart, 75c.; 1/2 Gallon, \$1.25; Gallon, \$2; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50. Directions on package.

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CONCENTRATED PULVERIZED MANURE

Pulverized or Shredded
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Quarts, 55c. Gallons, \$1.65
Fives, \$6.50

Try with 24 parts water. Often effective weaker.

Ask your dealer or write
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BOSTON, MASS.



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For Spraying
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Ask Your Dealer For It
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FOR SALE—Extra heavy Sprenger from 3-in. pots, \$4.00 per hundred; \$35.00 per thousand. Cash with order. E. G. BLANEY, 163 Burrill St., Swampscott, Mass.

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Carnations—Matchless, Ward and Alice, 6c.; 500 Belle Washburn, 8c. BETTY FARR, Stoneham, Mass.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

CYCLAMENS

Cyclamen—Best strain, separate colors, or mixed, 2 1/4 in. pots, \$7.50 per 100; \$60.00 per 1000.—J. H. FIESSER, North Bergen, N. J.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell. Stock For Sale. JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

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Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

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Roses, Cannas and Shrubs. THE CONARD & JONES COMPANY, West Grove, Pa.

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is easy to grow; fine plants, ready for the field, \$2.00 per 1000, or \$8.75 for 5000. Cash. BRILL CELERY GARDENS, Kalamazoo, Mich.

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Vinca variegata from 4 in. pots, price \$10.00 to \$15.00 per hundred. WM. CAPSTICK, Auburndale, Mass.

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Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Hissarlik Nursery, New Rochelle, N. Y.

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A traveling salesman familiar with the seed, bulb and plant business and well acquainted with the gardeners eastern territory. Must come well recommended. All communications strictly confidential. Address with particulars. "D. W.," care HORTICULTURE.

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Opening for a bright middle aged man as A-1 executive, thoroughly familiar with the seed, bulb and plant business and all details pertaining thereto. Capable of handling store force. Location, New York City. Must have high references. All communications strictly confidential. Address with particulars. "D. W.," care HORTICULTURE.

WANTED—Middle aged working gardener; single man or small family. Apply by letter to Room 607, No. 15 East 40th Street, New York City.

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SITUATION WANTED—By expert grower of Christmas and Easter stock, Orchids, Cut Flowers, Tomatoes, Fruit and Vegetables under glass. Can take charge of large place, trade or private. Able to handle help. First class references. Nineteen years' experience. Single, age 33, disengaged. Address "H. V.," care of HORTICULTURE.

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Plant Propagation, Greenhouse and Nursery Practice

By M. G. KAINS

We have had many inquiries from time to time for a reliable and up-to-date book on plant propagation, but were always at a loss to find any publication that we could recommend. The subject has been dealt with in fragmentary manner only in books that have come to our notice. So it is well that this new work has been issued, especially as it is both comprehensive and practical, and it should meet with a ready sale among plantmen, nurserymen and gardeners. There are nineteen chapters covering in detail topics of germination and longevity of seeds, propagating by buds, layering, cuttings, grafting, etc., fruit tree stocks, clones, etc., and there are eight pages of condensed cultural instructions in tabulated form, covering annuals and perennials from seed, woody plants, evergreens, vines, bulbs and tubers, greenhouse and house plants, ferns, palms, water plants, orchids and cacti. The illustrations are numerous, comprising 213 figures and half-tone plates. There are 322 pages well bound and on heavy paper, teeming with helpful information. It is a book which no cultivator can afford to do without. It is worth many times its price. Copies can be supplied from the office of HORTICULTURE at publisher's price, \$1.50.

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FOR SALE IN SOUTHBORO, MASS. 22-acre farm highly cultivated, good buildings, modern house, near Boston and Worcester Electric car line. Two good cows, 1 horse, 1 heifer, 2 calves, hens and pigs. All this year's crops included in sale. Price for quick sale, \$7,000. For further particulars call "Hyde Park 59." F. L. GEORGE, Everett Square, Hyde Park, Mass., Tel. H. P. 59; Wolcott Square, Readville, Mass., Tel. H. P. 72.

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FOR SALE—Greenhouses in Boston, prime condition, 12,000 feet under glass, 2 acres land. Yearly business \$8,000 to \$10,000. Sickless only reason for sale. Write or phone (Main 280) A. L. KING, 155 Milk St., Boston, Mass.

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Standard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.

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Warehouses:
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DREER'S "Riverton Special" Plant Tubs



No.	diam.	in.	Doz.	1000
10	20	1 in.	\$1.00	\$175.00
20	18	1 in.	1.00	18.50
30	16	1 in.	1.25	11.25
40	14	1 in.	1.00	11.25
50	12	1 in.	.75	8.25
60	10	1 in.	.55	6.00
70	8	1 in.	.40	4.50

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714-716 Chestnut St., Philadelphia, Pa.

PUBLICATIONS RECEIVED.

THE GARDEN UNDER GLASS, by William F. Rowles, with numerous practical diagrams from drawings by G. D. Rowles and 32 illustrations from photographs. 8vo. Cloth, gilt top. Price, \$2.00 Net.

This is an English book written for the edification and instruction of the amateur grower, but well adapted to the great army of Americans now mobilized to fight the high cost of living and the fact that it gives more or less space to distinctly floral topics does not in the least detract from its value in that respect. The chapters deal with all phases of the culture of fruit, flowers and vegetables under glass. The instructions cover briefly and in simple terms a wide range of detail, answering the many questions and solving at once the myriad of problems which confront the novice in horticulture.

The author has made the How to Do It clear, practical and complete. Data of construction, from cold frames and pits to the extensive greenhouse, with numerous drawings and illustrations, assuming no knowledge on the part of the reader, is intelligently given. Then, under the headings, Fruit, Vegetables, and Popular Greenhouse Plants, a varied array of cultural knowledge is marshalled. Preparation of soil, of seed, cultivation and time of planting, are also treated. There is a greenhouse calendar for each month of the year; and a valuable glossary of technical words. A better aid in adding to the variety and wholesomeness of food supplied the table, cannot be found.

Seedsmen, nurserymen and florists can with confidence commend this book to their customers who are ambitious to try a little advanced horticulture in a modest way. Sentiment is headed strongly in that direction and

it is only a question of a short time until the number of home gardeners in the open and under glass in this country will be vastly increased.

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Kirkwood, Mo.—S. E. Cerny, house 36x100.

Springvale, Md.—George Huff, enlarging.

Florence, Neb.—George Sorenson rebuilding.

Ouray, Col.—John T. Roberts, Jr., one house.

Norwich, Ct.—George Burlingham, Maple street, house 20x64.

Providence, R. I.—Pasquale Correrà, Cumberland street, one house.

Woodstown, N. J.—Lawnside Cemetery, one house, completed.

New Haven, Ct.—Gustave Ginter, 137 Sylvan avenue, house 31x66.

Newark, N. J.—Kimmerle & Minder, 488 S. Orange avenue, rebuilding.

Beverly Farms, Mass.—Arthur F. Luke, Pitch Pine Hall, one house.

Kitchener, Ont.—Downing, Stern & Co., Lord & Burnham vegetable house.

Quidnick, R. I.—Quidnick Greenhouse Co., house 35x250, completed.

OBITUARY.

Robert Rose.

Robert Rose, superintendent on the Einstein estate at Pompton Lakes, N. Y., for the past sixteen years died on Tuesday, July 24, aged 64 years. He leaves a widow, two daughters and one son.

G. Frederic Ripp.

G. Frederic Ripp, Jersey City, N. J., succumbed to a brief illness Thursday, July 19, in St. Francis' Hospital. For the past eight years he had conducted the floral business known as Ripp's Floral Depot at Communipaw and Arlington avenues, and which was formerly conducted by his father for twenty years. Interment was in Bayview Cemetery. He leaves a widow, his father, Gustav A. Ripp, and a sister, Mrs. John Baldwin.

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USE IT NOW

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Most up-to-date arm on the market. Found that it is better than any other is than others tried to imitate it. Write for our 1916 catalog just out.

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The Florists Hall Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars address **JOHN G. ESLER, Sec., Saddle River, N. J.**

King Greenhouses

KEEP SUMMER WITH YOU THE WHOLE YEAR ROUND

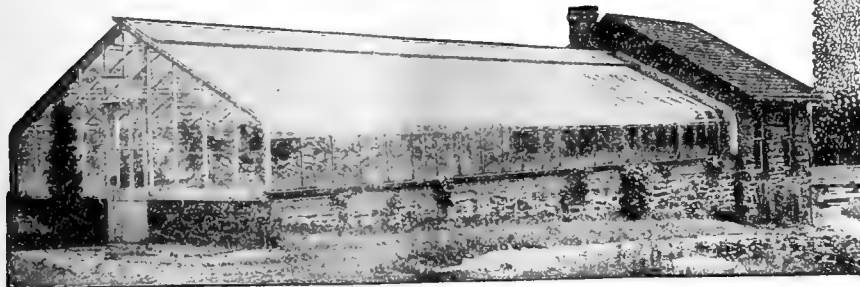
On account of their sturdy special construction which permits of great strength without the need of heavy shadow casting supports, these houses are so warm and sunny that they are filled with a riot of bloom and fruit when Jack Frost has stripped the garden of its beauty.

The ventilating and heating systems are the result of years of experience in building for professional growers. Things just have to grow in a King.

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KING CONSTRUCTION COMPANY, 28 King's Road, North Tonawanda, N. Y.
All the Sunlight. All Day Houses.

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you always think of these important features: quality, satisfaction and price. What more can be expected, besides service, and we have that too. Greenhouse Fittings also. Get a Catalogue.

ADVANCE CO., Richmond, Indiana

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AND
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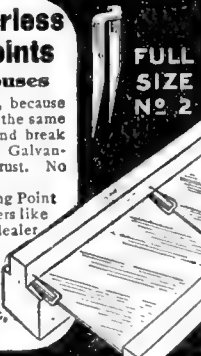
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Unglazed—85c. up
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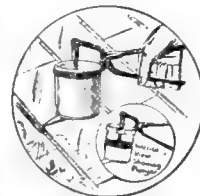
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"SEAL TIGHT
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will not harden,
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\$1.35 per gallon in
10 gallon lots.
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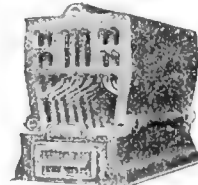
In any length (one piece) with
couplings, 14c. per foot. Rem-
nants 15 to 30 feet, coupled,
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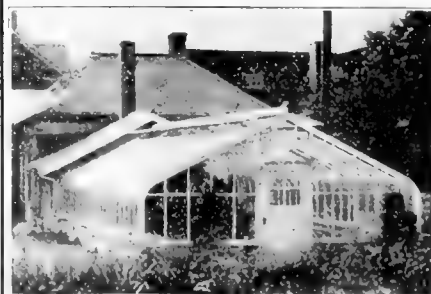
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Order at once.



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Are properly designed, durable and a
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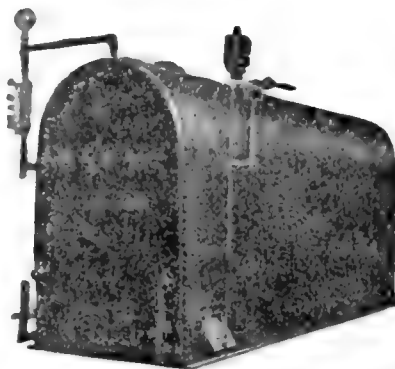
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When the Kroeschell arrives, sliding it on asphalt and to connect the piping completes the installation.

As complete units without sections or joints.

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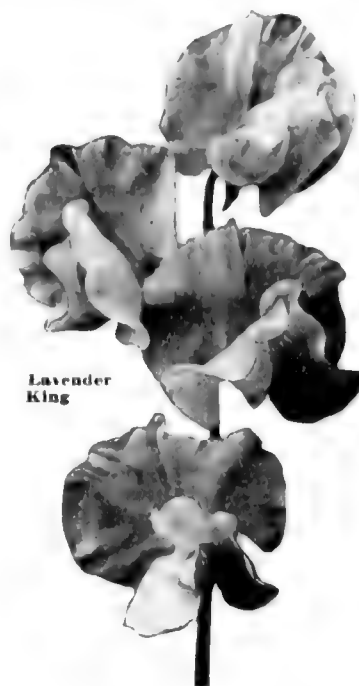
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range from white blush and creamy pink to deep pink.

Concord Mauve Shades. Fine mauve and lavender shades, highly recommended.

Concord Chief. Intense, rich deep maroon, massive Spencer form.

Concord Christmas Pink Shades. A Spencer strain of Christmas Pink coloring; as there is some variation in these they are offered as shades.

Prices on all the foregoing: Packet of 50 seeds, 40c; 5 pkts. of

	Tr. pkt.	¼ oz.	Oz.
Boddington's "Challenge" Mixture.....	\$0.50	\$1.50	\$5.00
Boddington's English Exhibition Mixed50	2.50	8.50
Sim's Gold Medal Mixture75	5.00	
Knott's Winter-flowering Mixed , Glaut flowers of good substance on long stems. Beautiful colors.....	.75	2.50	
Triumph of the Giants , Extremely large flowers of beautiful colings50	2.00	9.00
Giant Masterpiece , Frilled Pansy. Petals beautifully waved; exquisite colors.....	.25	1.25	4.00

Giant Madame Perret. Wine colored flowers; beautifully marked..	.25	.85	3.00
Giant Trimardeau. Mammoth flowering, and in a good range of color .....	.15	.50	1.50
Giant Lord Beaconsfield. Deep purple violet, top petals light blue .....	.25	.60	2.00
Giant Emperor William. Ultramarine blue, purple eye....	.25	.60	2.00
Giant Golden Queen. Bright yellow; no eye..	\$0.25	\$0.60	\$2.00
Giant Golden Yellow. Yellow; brown eye...	.25	.60	2.00
Giant President McKinley. Golden yellow, large dark blotch....	.25	.85	3.00

Adonis. Light blue with white center.....	.25	2.00	7.50
King of the Blacks (Faust). Black.....	.25	1.00	3.50
Fire King. Brilliant red yellow, large brown eye .....	.25	1.00	3.50
Peacock. Beautiful varicolored type.....	.25	1.50	5.00
Prince Bismarck. Yellowish bronze.....	.25	1.00	3.50
Psyche. Violet, bordered white.....	.25	2.00	7.50
Rosy Lilac.....	.25	1.00	3.50
Ruby King. Superb crimson and red.....	.25	1.00	3.50
Snowflake. Pure white.....	.25	1.50	5.00
Snow Queen. White, center tinged yellow.....	.25	1.50	5.00
Striped .....	.25	1.00	3.50
5% discount for cash with order.			

Arthur T. Boddington Co., Inc., Seedsmen, 128 Chambers St., N. Y. City

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toll, we ought to blame the culture, not the soil."—Pope.

Adiantums

If the stock shows deterioration rather than partial exhaustion, enfeebled by the death-dealing effects of fungus and red-spider, throw it out. Thoroughly clear and cleanse the bench, prepare new soil, more of a turf-like, coarsely broken up gravelly character than containing the usual over-measuring of leaf-mold, drain the bench well, do not firm the soil any more than is unavoidable in planting, set out clean, strong plants from three-inch pots, water sparingly but spray often; keep the house ventilated but guard against strong currents of cold air and rather lessen than increase the density of the shading. Unless benched adiantums cuneatum or Croweanum shows renewed strength in unmistakable form, its being carried over for another year as against replanting with new, vigorous stock would not win out for the growers. Bench grown maiden hair ferns need a rest after a heavy cut of fronds. That is, keep it on the dry side until the young fronds begin to show.

Care of Smilax

See that the smilax gets plenty of ventilation and a good syringing on all bright days. Provide strings as soon as the plants are willing to climb and do not wait until they become intergrown with one another. When they are growing well give a mulch of well-rotted cow manure. Water first around the ball until they begin to fill the soil with roots after which the whole bed can be soaked. Avoid careless watering which usually leaves the surface wet while the under soil remains dry. While smilax likes moisture it will not stand too much of it, yellow leaves and sickly growth often resulting. An overmoist condition is likely when the beds are prepared on the ground. The early planted beds will be making good headway by this time so see that they have some feeding.

Easter Lilies

If you intend to use *Lilium giganteum*, you should get the bulbs to the potting bench as soon as possible after their arrival in this country. You will be able to do so, if your order is placed in good time. On the other hand, if the ordering is put off until September or October you run the chance of receiving the bulbs at a time when the other fellow has some nice roots started on his. Many growers placed their orders for the bulbs long ago, and if more would do this it would be better all around, especially this year. It is a good plan to get the soil into shape now. The following compost will do; fibrous loam three parts, well rotten cow manure one part, with a good sprinkling of bone and wood ashes. See that you have plenty of pots on hand. Those who grow some of the other type of lilies for mid-winter flowering should have them in by this time.

Next Week:—Chrysanthemums; Primulas; Florists' Greens; Palms; Poinsettias; Reminders.

Geraniums

If cuttings are taken early in August the cut back stems will make a lot of lateral growth which in early September will give an abundance of the very best of cuttings which with cooler weather will root with ease, and these cut back plants will be in excellent order to lift and put in pots or plant on a bench for winter propagation. The last week of July we have found to be a good time to take off the first batch of cuttings, in the garden or field. Three or four joints of the leading shoots make ideal cuttings. Never rob a cutting of all its foliage, nor leave on too many leaves. After the one good thorough watering, when water is needed again will depend on how much sun they receive and on the weather, but don't water again until they are decidedly dry. This season has not been very good with us for stock plants outside. Get every cutting you can in now.

Sweet Peas for Winter

If the space on the benches is not ready sow in 4-inch or 5-inch pots, and then plant in benches after three or four weeks, but be very careful with the watering, as over-dry or pot-bound plants will never produce good flowers. Plant either in the benches, where they will grow, or in pots. After the plants of the white seeded start to grow, which will be in two to three days, give them some water, and in a few days more they can be watered just as heavily as black-seeded ones. Select the highest light houses for sweet peas. Fill the benches, or well-drained solid beds, with good compost about three parts sod and one part old horse manure. White-seeded sweet peas must be started in sand, as they seldom germinate if sown directly in soil. As soon as sown all the air possible should be allowed. Ventilation is one of the most important points in growing sweet peas successfully. When the plants reach a height of 6 inches they should be given support. The best method is to stretch one wire on bottom and another about 8 feet above that and connect with strings from time to time.

Reminders

Finish any repotting of palms that may be necessary without further delay.

Keep cineraria and calceolaria seedlings very cool and allow plenty of night air.

Get the young rubber plants in shape for Christmas trade, repotting any that need it.

Sow cinerarias and herbaceous calceolarias for spring flowering in a cool house or frame.

The young carnations must be frequently looked over and the shoots pinched where they show a disposition to run up to flower.

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A
business
convention

We presume that all will agree that the S. A. F. has never approached its annual Convention so well equipped financially or better organized for effective legitimate work than it is this year. All the other adjuncts conducive to a meeting of more than usual earnestness and prolific in permanent good for all branches of the business, are surely present and the grave necessity for taking full advantage of the favorable opportunity cannot be questioned. To say the least,

there are many horticultural problems of prospective that call for close watching and active participation of the part of those who are interested in the organization and have the right to say. It will give me satisfaction, for the Society is well supplied with strong men, its members, now so fully capable of so rising to the present emergency that the Convention of 1917 will not suffer by comparison when in the time to come the record of its work is calmly summed up.

A commendable project

Among the many openings for improvement and reformation in the conduct of commercial floriculture in this country which await definite action by the Society of American Florists, perhaps none are so pertinent and pressing as the work to be covered by the proposed Bureau of Credits and Collections. The committee appointed to deliberate on and formulate some practical plan which may be put into immediate execution will have a session, we understand in New York City, on the evening of August 20, the day preceding the opening of the Convention. We hope the committee may be able to bring in a workable plan acceptable to the different classes of dealers represented in the membership and which can be adopted by the Society and promptly materialized into a vital force. The committee is composed of men who understand the subject and know by experience the seriousness of the situation and the difficulties that must be met. The abuse of the credit system by promiscuous and irresponsible trusting has long been a "thorn in the flesh" in the florist trade and its proposed regulation is no new proposition. It has been talked of for years. Let us now do something more than talk about it. The successful local example set by the New York wholesale flower dealers is encouraging as showing that something of country-wide application and larger scope is not an impossibility. The S. A. F. will have done something to make the New York Convention worthily memorable if it should now succeed in happily launching this much needed reform.

"Going up"

Dealers in Japan lily bulbs have experienced a painful jolt this week in the news which has come to them through the importing houses, indicating a big advance in freight rates on shipments from Japan this season, which, on the lily bulbs, means an almost prohibitive price to the lily forcing florists in this country. It is said that an unfavorable season has reduced the production of marketable bulbs so that on Formosas, for example, it is reported that but about forty per cent delivery can be made and some dealers will only fill orders in part while others will cancel all the orders they had booked. The price on all lily bulbs, Bermuda Harrisii included, has been advanced, while as is well known, steamers are scarce and much uncertainty exists as to chances for prompt transportation. Add to all this the increase in transportation rates as now announced and the limit of what our plant-men can stand would seem to be about reached. Statements as to exact rates agreed upon by the transportation companies are widely variant but even the most moderate quotations are a shock of no small voltage. Fortunately, there is still a good supply of giganteums in cold storage but these must be taken out soon if good results are to be had from forcing them, for giganteums in storage will deteriorate from now on. Florists intending to force lilies for the coming season will do well to investigate for themselves the situation and the outlook as indicated in the foregoing.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur R. Zieck

Rush the Planting

Houses that are still unplanted must be tackled at once and the plants got in so they will have a chance to get established. There are times when the fall of the year is nice and clear with very little cold weather before Christmas, but this is rather an exception than a rule, and if plants are to become established at all they should be planted by the 1st of August or by the 15th at the latest. The last planted are apt to be rather small or perhaps stunted some, so be sure to have the soil in good condition, benches all well cleaned and whitewashed—in fact, do all that is possible to hustle the plants along as much as possible. Be very careful not to overwater, however, as the plants must have roots before they can take water. If necessary go over the benches and make a regular little basin around each plant to keep the water from spreading over the whole bench. Do not attempt to cut anything from the plants until they are large enough. Pinch out all buds as soon as they are large enough to be seen, taking care to see that all weak stems are taken back far enough. As soon as the plants take hold they can get a little bone right around each to stimulate better growth. This is not necessary where the soil was properly enriched in the first place.

The Manure Pile

In spite of the fact that help is scarce and things are a little behind instead of a month ahead, see that proper care is taken of the manure pile, as here lies the foundation of the season's success. If a grower has not the manure in proper shape to apply at the proper time, the whole growing program is upset and loss is the result. With the weather hot and dry now, water will have to be applied to the heaps to keep these from burning. The heavy rains of the spring and early summer got us all so used to seeing everything soaked all the time that we can hardly believe things are getting real dry, but such is the case, and unless rain comes in the near future, water will have to be applied freely where none was needed before. An ideal way to keep manure is to have a concrete platform on which it is piled and have this drained into a pit, from which the teachings can be used as liquid manure, or else pumped over the heap every so often. Needless to say the manure will have to be turned over once a week or so to break it up and bring it around into proper shape for the benches this fall. Make the heap only about three feet high, broad at the top and nicely leveled and squared on corners. It will look systematic and will keep much better and run more evenly than manure piled up any old way. Fertilizers will never get any cheaper; in fact they are apt to go up as the natural fertility of the virgin soil is exhausted and the demand for something to replace it increases all over the country. A little time spent conserving all manure will be well repaid in the future.

Sod for Next Year

Now that the hay is in the barn and the fall consignment of coal has not yet arrived the teams can hardly do anything more profitable than hauling away the old soil, and starting the sod heaps for next season's rose benches. As a good grower will know just which houses will be planted first, it is for him to decide where to put the first sod. Do away with the old style of a heap and make only the bottom layer of sod a foot thick. All other layers should not exceed six inches with a good coat of manure in between. When sod is put up in this way the manure has a much better chance to work through the soil and that is what counts, as such soil is transformed from partly dead soil to a completely alive soil ready to receive the roots of roses or whatever else may be planted in it. In selecting sod, be sure to get sod that has had no greenhouse soil on it for at least three years and longer if possible; also see that there is some clover sprinkled all through. In plowing plow only about three or four inches deep and then pick up with a fork only, leaving all the fine soil on the field. This fine soil would be of no use in the soil heap, and left in the field it will do a lot of good.

Tying-in Beauty Houses

It will do all roses good to lie around a bit before being tied up, Beauties especially as the whole plant must be formed from bottom breaks with this variety. However the thing can be overdone, and this should be guarded against, and plants all tied up as soon as their time comes. Do not stake Beauties. Stakes are right for all other roses, but are a nuisance for Beauties, especially later in the season when it is necessary to bend down the long growths. Then, too, the plants are always bunched more or less, and red spider and spot are sure to gain a foothold. Another objection is that the leaves are mostly on one side of the stems while with the Beauties on wires they have a better chance to spread naturally. When tying the first time see that the knots are not too tight, as the wood will swell as the plants grow older and if they are tied tight the strings will cut so as to make it hard for the sap to flow, thus choking the growth above the first wire. Have the first wire only about a foot above the level of the bench. The nearer the top is to the roots the better, as sap will not flow so readily through hard wood, and plants cut high are more likely to go blind, or else grow and grow a weak long stem. In tying distribute the wood well over all the wires so that all will get an equal amount of light, and thus grow nearly even, which is very important, especially where inexperienced help has to be used to care for the houses. Having the plants well tied helps in all operations that go to make up rose growing.

Scratching Over Benches

As soon as plants are established and their roots push out into the soil it will be necessary to be very careful not to scratch too deeply when going over the benches. After planting is the time to get the benches into condition, leveling the soil where it needs it and breaking up the very coarse lumps—not too fine though—as this would prove harmful. Leaving the surface smooth would make the water wash around when watering, which is a very dangerous thing, as then some plants are overwatered all the time, while others are suffering for want of water. They will not grow evenly, and the result is a poor house or bench as the case may be with loss to the grower.

CLUBS AND SOCIETIES

STAMFORD, (CONN.) HORTICULTURAL SOCIETY.

At the Annual Convention held in Moose Hall, Stamford, Conn., on Friday evening August 3rd the interest of the members was well shown by a large attendance, and exhibits of high quality were on the tables. Following is a list of the awards: Cultural certificates to Adolph Allus for caladiums, Michael Smith for *Lilium tigrinum*, A. Bieschke for collection of gladioli, and to J. Foster for melons, var. King of Strawberry Hill. The following exhibits were nightly commended; Albert Fattet for collection of gloxinias, and Adolph Allus for a collection of flowers and vegetables. A vote of thanks was given to A. Geddes for *Buddleia magnifica*, A. Wynne for *Dahlia Red Hussar*, and to Anton Pederson for a new variety of polebean.

The committee for the Fall Show had been hard at work during the past month and reported good progress on all matters. It was decided to dispense with all cash prizes, and award ribbons instead, all surplus profits to go to the local Red Cross. George B. Cannon of the Stamford Seed Co., was elected publicity agent for the Show. At the next meeting Sept. 7th. Mr. A. Wynne will read a paper on Snapdragons.

Mr. Dean of the Arthur T. Boddington Co., was present and gave the members his views of some of the recent shows he had visited.

A. W. KING, Corr. Sec.

GLADIOLUS SOCIETY OF OHIO.

The Fifth Annual Exhibition of the Gladiolus Society of Ohio will be staged August 14th, 15th and 16th, in the men's dining room of the Halle Bros. Co., Cleveland, O. An invitation is extended to all growers of gladioli to enter all classes. This applies to amateurs, non-commercial and commercial growers. There is no entry fee charged and the show is open free to the public. The retail florists of Cleveland will make displays of table decorations, baskets and corsage bouquets. These always attract much attention. It is expected that the attendance this year will be very large because of the thousands that visit the Halle Store daily. Premium lists may be had from Secretary W. A. Christy, Warren, O., or M. A. Vinson, 402 Leader-News Bldg., Cleveland. The prizes consist of over \$100 in cash, five silver cups and ten medals.

AMERICAN GLADIOLUS SOCIETY.

The Eighth Annual Exhibition and Convention of this Society will be held from August 23rd to 26th in the Museum building, New York Botanical Garden, Bronx Park, N. Y. City. The exhibition will be given under the auspices of the New York Botanical Garden, the Horticultural Society of

New York, and the New York Florists' Club, each organization having contributed to the prize fund. In addition to the general prizes, many special premiums are offered.

Schedules may be had on application to the Secretary of the Horticultural Society of New York, Botanical Garden, Bronx Park, N. Y. City.

THE POLICY OF THE FLORISTS' HAIL ASSOCIATION.

The Florists' Review in a recent issue arises to remark that "the Florists' Hail Association has never advertised its advantages in such a way as to bring them to the attention of the entire body of the trade." Inasmuch as this is a mild criticism of the policy adopted by the Board of Directors of the F. H. A. a few words of explanation may be necessary.

The F. H. A. is an association which is purely mutual and is operated with out profit to any one, because insurance is effected at actual cost. Allow me to ask, for example, if the Editor of the Review were altruistic enough to hand out his advertisements without profit, how much money would he be willing to appropriate to advertise the fact?

To my mind, the Directors of the F. H. A. have adopted a wise policy in using the money placed in their trust, for the benefit of F. H. A. members, rather than use it in inducing others to share the benefits which others have been wise enough to secure.

Equitable adjustments, prompt payment of losses and methods of promotion that have never conflicted with the insurance laws of any state, have given exceedingly satisfactory results.

JOHN G. ESLER.

KENTUCKY SOCIETY OF FLORISTS

At the July meeting of this Society the following resolution was adopted:

"The Kentucky Society of Florists, assembled in regular monthly meeting, hereby protests against the price of coal agreed on at the conference lately held between the National Council of Defense, the Federal Trade Commission, and the Mine Operators as being extortionate, oppressive, unjust and altogether out of proportion to the cost of production. We request that our senators and representatives use all their influence and power and work for a law authorizing the President to appoint a commission with power to establish prices on coal and food and we pray our President to appoint on such committee men who have the welfare of the whole people at heart and who will not allow a coal operator to pay unfair prices for the benefit of a few coal operators and food speculators, who by their action, in unduly increasing prices in a crisis like the present, are proving themselves disloyal, if not traitors, to the best interests of the country.

Be it further resolved, That a copy of this resolution be sent to the President of the United States, our senators and representatives, to the Council of National Defense and the Federal Trade Commission."

NEW YORK FLORISTS' CLUB.

The next regular meeting of the New York Florists' Club will be held in the club rooms in the Grand Opera House Building, northwest corner of Twenty-third street and Eighth avenue, New York, on Monday, August 13, at 7.30 p. m. Chairman Charles Knight, of the Exhibition Committee, is making strenuous efforts to have a good showing of gladioli, asters and other seasonal plants and flowers and would appreciate a creditable display from the trade. Exhibits sent in the care of H. C. Riedel, 49 West 28th street, will be taken to the club rooms and properly staged.

NATIONAL VEGETABLE SHOW.

The First National Vegetable Show, conducted by The Vegetable Growers Association of America and the Eastern States Exposition will be held at Springfield, Mass., on October 12 to 20, 1917.

The premium list is just out. The prizes are liberal in amount and entries are open to the world. All indications point to a big popular affair. Howard W. Selby, Philadelphia, is president of the Association.

LADIES' S. A. F.

A meeting of the Officers and Board of Directors is called at Hotel McAlpin, New York, ladies' headquarters, Tuesday evening, August 21st. By order of the president, Miss Fulmer. Mrs. J. G. Hancock, chairman.

MRS. CHAS. H. MAYNARD, Secy.

CLUB AND SOCIETY NOTES.

The Annual Meeting of the American Gladiolus Society will be held in the Museum Building, Botanical Gardens, Bronx Park, New York, at 2 p. m., August 24th. By order, H. Youell, secretary.

The New Orleans Horticultural Society has elected the following named officers: E. Farley, president; Petter Ackermann, vice-president; Richard Eichling, secretary; John Eblen, treasurer. The treasurer reported that there was \$739.69 in the treasury.

PUBLICATION RECEIVED.

The Proceedings of the Fifteenth Annual Meeting of the Chrysanthemum Society of America, held at Philadelphia, November 8, 1916, has been received from the secretary's office. Some very useful matter is included besides the report of the proceedings such as lists of foreign and American varieties disseminated in 1916, review of the work of the examining committees, etc. A portrait of President William Vert makes an appropriate frontispiece.

WHEN A RAILROAD IS LIABLE FOR DELAY

With everybody complaining because of delays in shipping goods, it may be interesting and useful to say something about when you can hold a railroad liable for delay in getting goods to you. Read this letter:—

Phillipsburg, N. J.

Elton J. Buckley, Esq.

Dear Sir:—On April 18, 1917, I bought a shipment of green goods from a firm in Philadelphia, which didn't arrive here until April 23d, making a delay of five days. Before receiving the goods I insisted that the freight bill be marked "five days in transit and in bad condition." Then after securing the waybill, which was marked Philadelphia & Reading Railway Co., and after having my bill sworn to by a notary public, I then made a claim to the Central Railroad Co., as the freight bill was made out to that company.

I have just received the following letter from the claim agent:—

Having further referred to your claim of May 1st, covering alleged damage to shipment of pineapples, etc., advise that we have investigated the handling of this shipment while in the possession of the carriers and we find that there was a delay at Easton Transfer, due to congestion over which the carriers have no control. Therefore we will be obliged to disallow your claim, and we are returning your bill invoice and original bill of lading and must ask you that you allow our records to remain closed.

W. H. DRUSE,
Freight Claim Agent.

As our waybill was marked Phillipsburg, N. J., we do not see why we should be responsible for the delay in Easton, Pa.

Please give us your advice on this matter. Would it be advisable to sue the Central Railroad Co.? We do not want to lose the damages, so would



BURPEE SEED FARMS, LOMPOC, CALIF.
The variety in the centre bed is Early Snowstorm.

like to know the best course to pursue. I remain,

Yours truly,

ADAM MARTIN.

This is somewhat of a typical case. Perishable goods are delayed in shipment and deteriorate en route. Result: a loss directly due to the delay. Who is responsible?

Naturally a railroad company protects itself in every way it can in its bill of lading. Touching the question of delay, practically all bills of lading contain the following:—

No carrier or party in possession of any of the property herein described shall be liable for any loss thereof or damage thereto or delay caused by the act of God, the public enemy, quarantine, the authority of law, or the act or default of the shipper or owner, or for differences in the weights of grain,

seed, or other commodities caused by natural shrinkage or discrepancies in elevator weights. For loss, damage, or delay caused by fire occurring after forty-eight hours (exclusive of legal holidays) after notice of the arrival of the property at destination or at port of export (if intended for export) has been duly sent or given, the carrier's liability shall be that of warehouseman only. Except in case of negligence of the carrier or party in possession (and the burden to prove freedom from such negligence shall be on the carrier or party in possession), the carrier or party in possession shall not be liable for loss, damage, or delay occurring while the property is stopped and held in transit upon request of the shipper owner, or party entitled to make such request; or resulting from a defect or vice in the property or from riots or strikes. When in accordance with general custom, on account of the nature of the property, or when at the request of the shipper the property is transported in open cars, the carrier or party in possession (except in case of loss or damage by fire, in which case the liability shall be the same as though the property had been carried in closed cars) shall be liable for negligence, and the burden to prove freedom from such negligence shall be on the carrier or party in possession.

No carrier shall be liable for loss, damage, or injury not occurring on its own road or its portion of the through route, nor after said property has been delivered to the next carrier, except as such liability is or may be imposed by law, but nothing contained in this bill of lading shall be deemed to exempt the initial carrier from any such liability so imposed.

In addition to these provisions in the bill of lading, and in spite of them, a railroad that forwards goods, if there is no contract requiring delivery within a certain period, is held liable by the settled law, to make shipment within a "reasonable time"



PRIMULA MALACOIDES

A select type of the popular Baby Primrose in 5-inch pots.—Photo by A. L. Miller.

under the terms of the case.
The carrier is a leading
case.

In the absence of a special contract binding the carrier to deliver within a specified time, mere delay in transportation does not create any liability on a railroad to respond in damages. The carrier is bound to use reasonable diligence and care and only negligence will make it liable, without a specified time in the contract. The shipper assumes the risk of unavoidable accidents and of usual and ordinary delays incident to the ordinary conduct of the carrier's business. Nevertheless, if damage results from failure, without good cause to deliver the goods at their destination, within a reasonable time, the carrier is liable for such damage. The law declares that the goods must be delivered within reasonable time.

Deciding what is a reasonable time is not particularly difficult in the average case, for the court simply takes proof of the time it usually takes. If it has taken longer than usual in the particular case, and the shipper or receiver has lost by it, it is up to the railroad to tell why it took longer.

There are several good excuses which the railroad can offer, all of which will absolve it from liability. For instance, any of the following:—

- 1.—We hadn't enough facilities.
- 2.—The delay was caused by an act of God, such as the train being struck by lightning.
- 3.—The delay was caused by freight congestion due to weather conditions.
- 4.—There was an unexpected rush of business which tied us up.
- 5.—The delay was caused by strikes or mobs.
- 6.—The delay was caused by unavoidable accident.
- 7.—The delay was caused by some other cause entirely beyond our control.

If the railroad can prove any of these it is not liable, no matter how great the delay was, or how large the loss.

But if the delay was caused by any of the following conditions, the railroad is not excused: When the delay is due to a wreck caused by the railroad's own negligence; or when goods are carried past their destination, causing delay; or when the road has accepted goods for shipment, knowing it could not ship within the time; or when it refuses to place a car in position to be unloaded quickly; or when it unloads an engine or uses one that it knows is defective; or in case of perishable goods, where it fails to get them to market, when it could do so by transferring them to another train.

Many factors influence the question of what is a reasonable time. The

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character of the goods influences it—a reasonable time for perishable goods is shorter than for a reasonable time for iron, or hardware or dry goods. The special conditions set forth above—weather, rush of business, etc., influence it and increase the "reasonable time" over what it would be in normal times.

Of course, even where the delay came from one of the causes that would ordinarily exonerate a railroad from blame, the road may still be liable—if it knew when it accepted the shipment that a condition existed which would cause delay, and did not tell the shipper.

Another thing—if there is a delay, whether it is the railroad's fault or not, it is the railroad's duty to protect the goods en route in every way it can. Under the cases this means taking the highest care possible under the circumstances.

The shipper must show that his goods took longer than usual, and that the railroad's negligence was responsible for that. If the delay was caused by something wholly beyond the railroad's control, it is not liable.

Of course, if the railroad has made a special contract to deliver within a certain time, nothing whatever will excuse its failure, not even an act of God

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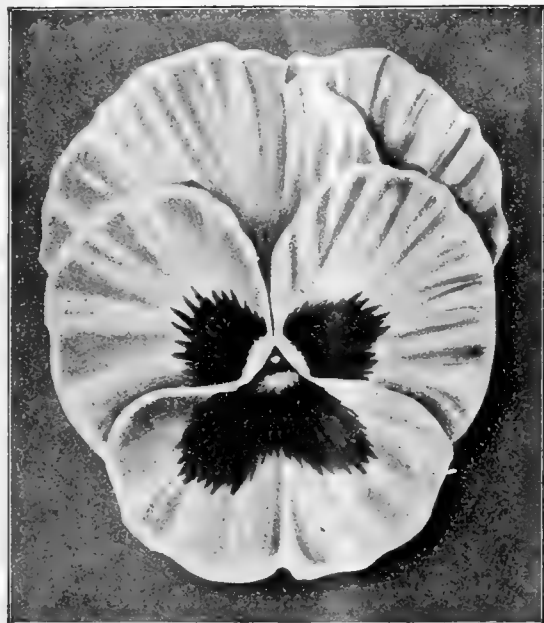
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Seeds, Surpluses and Shortages.

The committee on seed stocks of the Department of Agriculture is endeavoring to assist in supplying information as to where seeds may be obtained. To this end it will appreciate information from any one who has seed to offer. The information should contain the name, kind and variety, and approximately the quantity of seed offered as well as the price asked. It proposes to file all such information and to use it in answering inquiries that may be received from various parts of the country. All such communications should be addressed to R. A. Oakley, Chairman, Committee on Seed Stocks, United States Department of Agriculture, Washington, D. C.

A Menace Removed.

A telegram from W. F. Therkindson informs us that he has been advised by Hon. Boies Penrose under date of August 4, that the Finance Committee of the Senate has amended the proposed tax so as to exempt all catalogs and also parcel post packages under four ounces. This will be good news for the catalogue men.

This shows the great advantage of quick concentrated co-operative action. Protests were filed by all mail order houses of the country, the National Typothetae and various unions and organizations that were effected, the printing trade, the ink and paper people and many others so that protests were sent in literally by the thousands.

CATALOGUES RECEIVED.

Willis E. Freyer, Mantorville, Minn.,—Special list of new "Glory Strain" Bearded Iris.

D. W. C. Ruff, Bald Eagle Lake, Minn.—Illustrated Catalogue of Peonies, classified as to rarity and including the latest introductions.

Lewis Valentine & Co., of New York, who have the contract for the landscape gardening on the Tilney estate, near New Germantown, N. J., have discontinued work for the balance of the summer. This company have had a number of men employed and a host of boxwood plants have been planted on the Tilney estate.

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GARDEN CONSERVATION.

A garden conservation committee, Mrs. Vibe K. Spicer, of Kenilworth, chairman, was organized at the meeting of the Mid-West Branch of the Woman's National Farm and Garden Association Executive Board, in Chicago, June 15th. All garden clubs and horticultural societies are invited to send delegates to this committee. Its object is to spread propaganda holding it a duty to preserve gardens and orchards, to cherish plants, to encourage buying named varieties, and to support old firms of seedsmen whose public spirit has been of value to America.

History proves that it takes a century for horticulture and agriculture to recover from the shock of a war. Stress is laid on common food plants, and choice fruits, vegetables and flowers are neglected. In the demand for cereals, potatoes, beans and the like, quantity is asked rather than quality. Accordingly, business foresight declares that, as there are plans to strengthen the army for victory, so there must be organizations to conserve what it has taken years of scientific effort to produce for the period of peace after war. Then, more than ever, civilization will need not only food and forage, but the inspiration of nature in gardens of flowers, shrubs and orchards, to banish the horror of man's inhumanity to man.—Lena M. McCauley in Woman's Farm and Garden Ass'n Bulletin.

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Following is a copy of the letter used by Bertermann Bros. Co. in the official paper at Fort Benjamin Harrison reminding the soldiers of the above.

TO OUR NOBLE SAMMIES AND
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Danker
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Cleveland, O.—Knoble Bros., 1836 W. 25th
St.

Cleveland, O.—The Smith & Feters Co.,
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017
Grand Ave.

Los Angeles, Calif.—Howard & Smith,
853 So. Olive St.

Narragansett Pier, R. I.—Matheson House
Florist.

New London, Conn.—Reuter's.

Newport, R. I.—A. T. Bunyard, 145
Bellevue Ave.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—A. T. Bunyard, 413 Madison
Ave., at 48th St.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Providence, R. I.—Johnston Bros., 38
Dorrance St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Louis, Mo.—F. H. Weber's, N. E. cor-
ner of Taylor and Olive Sts.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pler-
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—George H. Cooke,
Connecticut Ave. and L St.

Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop,
22 Pearl St.

Send Telegraph, Telephone or Mail orders
for florist service in this vicinity to

Howard & Smith
853 SO. OLIVE ST.
Los Angeles, Calif.
Every Order sure to receive
prompt and careful attention.

REUTER'S Members Florists'
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between
New Haven and Providence
ST. LOUIS, MO.

FRED C. WEBER
4326-28 Olive St.

Member Florists' Telegraph Delivery Association.
NOTICE INITIALS. We have one store only

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

EYRES
Flowers or Design Work
DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER
106 STATE STREET, ALBANY, N. Y.

"THE HOME OF FLOWERS"

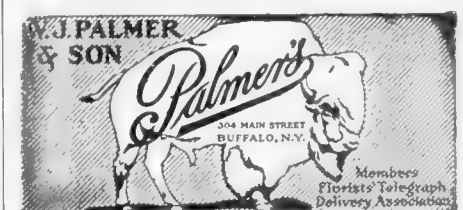
The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

The Park Floral Co.
J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

DENVER, COLORADO



KERR ORDERS FOR TEXAS
HOUSTON, TEXAS
The Florist Member F. T. D. Association

NEWS ITEMS FROM EVERYWHERE

NEW YORK.

W. Guntler is spending the summer at Arverne, N. Y.

David Ward, of Cottage Gardens, Queens, is training at the Plattsburg camp.

Traendly & Schenck have re-arranged their establishment, moving the office from the rear to the front of the store.

A. L. Young & Co., will have a fine show window when alterations now in progress at 54 West 28th street are completed.

C. H. Atkins surprised his friends by getting married, on Saturday, August 4. He is no longer with Bobbink & Atkins.

Harry A. Bunyard has accepted a position with W. R. Grace & Co., a large South American importing house at Hanover square, in the nitrate department.

"Buster" Wilson, who has had a little flower stand in a hallway at 33rd street and Eighth avenue for the past twenty-five years died last week from the effects of the great heat.

A cablegram to Mr. Langelier at the New York office of M. Van Waveren & Sons announces the safe arrival of W. A. Philippo in Sweden on Saturday, August 4, after a series of thrilling U-boat experiences which he is not likely to forget.

The five-story building on the corner of Fifth avenue and 46th street, which has been occupied as "The House of Flowers," by Charles Thorley, has been sold. We have not heard as to whether the sale will effect Mr. Thorley's tenancy in any way.

Phil. Kessler, chairman of the committee in charge, announces that he has arranged for a social gathering with buffet supper and some entertainment for the S. A. F. lady visitors at the McAlpin hotel, on Thursday evening, August 23, at 8 p. m. The affair will be limited strictly to members of the ladies' S. A. F.

The extensive concrete garage and repair shop building at the Julius Roehrs Company nurseries in Rutherford, which has been recently completed contains a large machine shop and blacksmith shop fully equipped with all the power machinery and tools needed for construction and repair work on buildings, heating apparatus and trucks. Visitors to New York at Convention time should see this splendid object lesson in enterprise and How to Do It.

BOSTON.

Robert V. O'Connor, for some years a well-known South Boston florist, has closed up his business, having enlisted in the hospital service of the regular army. Mr. O'Connor expects to leave soon for brief training before starting for France.

Max Schling

states he does not
need to advertise
his feelings towards
his brother florists
and that every out-
of-town florist
knows it is a fact
that whenever he
comes to New York he
is most welcome at

MAX SCHLING'S,
22 West 59th street,
and that every pos-
sible courtesy is
extended to him, and
the more that come
in the better he
likes it.



CHICAGO.

One more florist has cast his lot with the food producers. Louis Bunt, buyer for Ernst Wienhoeber of the north side, left this week for Lewistown, Montana, where he will take up farming.

A postal has been received from Ed Velter who recently left the wholesale market with two others to try farming near Wendell, Idaho. The young men have not lost their enthusiasm but say they are doing well and enjoying the out-door life, and best of all are able to save money. Here's a venture, that the girls who were left behind will not stay left very long.

R. R. Davis of Morrison, Ill., is spending a few days in Chicago. Mr. Davis with his two brothers probably own the largest area of glass in the country, devoted to the growing of vegetables. At the Morrison plant, Boston ferns are also included with cucumbers form the chief vegetable crop. The Davis family have altogether extensive plants in Streator, Ill., Ottawa, Ill., Terre Haute, Ind., and Davenport, Iowa.

On the morning of July 27th the office of the Brant & Noe Floral Co. was found to be a complete wreck due to the work of safe blowers on the previous night. The safe had been drilled from the top and evidently over-charged by the robbers, the door flying all the way across the office, wrecking a marble-top writing table in the center and crashing into a roll-top desk on the opposite side, crushing this beyond repair, then falling over a chair in front of the desk and driving this right through the floor. Only three panes of glass remained in the four windows, and the door to the office was blown off its hinges and glass from same was found fifteen feet away. No money was lost as the safe contained only books and papers, some of which were blackened beyond recognition.

Vacation Notes.

Miss Charlotte Paradise, for several years with A. L. Vaughan, is vacationing with friends in Walkertown, Ind.; and Mr. and Mrs. Wm. Johnson, with the same firm, are seeing the sights at the Yellowstone. M. C. Gunterberg believes that a vacation is as necessary to the keeping up of a good business as the stock itself. Miss Gunterberg is one of the very few women in the wholesale commission business and has made it a practice to attend all the conventions of the S. A. F. Miss Mabel Schultz will desert the J. A. Budlong office for the dells of Wisconsin for two weeks, Mrs. Schupp returning from their cottage at Williams' Bay during her absence. Miss Nelda Wolf, of Zech & Mann's is at Deer Park, La Salle Co., camping with a party of friends. Allie Zech has returned from a trip about the state, during which he called upon many of his regular customers. Wm. J. Smythe and family have been at their summer home at

THE RIBBON HOUSE HEADQUARTERS

FOR

FLORISTS' RIBBONS, CHIFFONS AND NOVELTIES

**We Will Be Pleased to Greet You at
Our Store or at Our Convention Exhibit**

SCHLOSS BROS. RIBBONS, Inc.
31 & 33 East 28th Street, New York

Antioch since June, Mr. Smythe making a weekly trip to the store. Summer business is reported as fair at this store and the force have all had their usual two weeks' outings.

WASHINGTON, D. C.

Mrs. Nettie Supper, of Gude Bros., will spend the balance of August in Lakewood, N. J.

Walter E. Hawley, of Gude Bros., whose number has been drawn in the draft, is at present spending his vacation in New London, Conn. John Henry Small, 3d, son of J. Henry Small, Jr., has also been called.

Washington florists have been notified that the Adams, American, and Wells Fargo Express Companies have ceased the vehicle pick-up of business in this city at 5 p. m. This means they must get their shipments for the North and South, which have been quite heavy of late, ready perhaps as early as 3.30 in the afternoon unless they will take the shipments to the depot or local offices. These latter will remain open up to 6 p. m., and the companies will arrange for the prompt handling of traffic tendered at such places. The companies say that it is customary among shippers to turn over their express traffic at the end of the day's business, which makes it necessary, for the companies to pick-up, assort, waybill and load the shipments within a period of two or three hours in the evening which under present conditions owing to the abnormal traffic, has become a physical impossibility.

PITTSBURGH.

The Penn Floral Company is about to initiate business at 3509 Penn avenue.

After five years service with the E. C. Ludwig Company, J. Walter Shea has "gone on the road" for a novelty firm.

Dewey Gibson, formerly an attache of Randolph & McClemens, is now a member of Battery B, which expects to be called soon for duty in one of the southern training camps.

Clark E. Stiles, with the A. W. Smith Co., left a week ago for a vacation and business trip east. Mr. and Mrs. Edward J. McCallum and Miss Beckert have returned from an automobile trip to Atlantic City. Mr. and Mrs. George Marshall will take a two weeks fishing trip to Big Lake, Ind. Edward Bambach has gone to Erie, Pa., where he will spend a fortnight. Accompanied by his family, Ray J. Daschbach expects to leave shortly for an extended western trip. Miss Catherine Antoinette, is at Atlantic City.

ST. LOUIS.

Hugo Werner of Werner Bros., rose and carnation growers was married last week at Clayton.

Geo. Berner, proprietor of the floral department at Wolf-Wilson Drug Co., was married last week.

H. G. Berning and wife have gone to Colorado to spend a few weeks. Otto Berning will be in charge during Henry's absence.

Vincent Gorly and wife returned from their northern trip. His brother Frank and wife have left for the north and will take in the convention at New York.

Mrs. Sanders, mother of C. C. Sanders, died last week. She was over ninety years of age, a native of England. The funeral took place on Sunday, August 5.

Hartford, Conn.—We regret to announce the illness of John F. Huss, superintendent of the Goodwin estate. Mr. Huss is at Dr. Vail's sanitarium at Enfield.

H. BAYERSDORFER & CO. Manufacturers and Importers

1129 Arch St. PHILADELPHIA, PA.

A Full Line of Bridal Accessories for the June Wedding Decorations

STOCK UP NOW

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

100,000 Field-grown Carnation Plants

C. W. Ward R. P. Enchantress Matchless
 Alice L. P. Enchantress White Wonder
 Siegwart Supreme White Perfector
 Miss Theo Alma Ward Champion
 Belle Washburn Victory Beacon White Enchantress

Ready for immediate delivery. Send for complete list. Let us figure on your requirements.

THE LEO NIESSEN CO.

Wholesale Florists

1201-05 Race Street,

PHILADELPHIA, PA.

TRY

Horticulture's Advertisers

FIRST

Before Looking Elsewhere

Tell Them You Did So And
 They'll Reciprocate

EDWARD REID WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.
 CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
 and all Seasonable Varieties of Cut Flowers

H. M. ROBINSON & CO.
BOSTON'S FOREMOST
 Wholesale and Commission Florists
 82 Otis Street, 2 Winthrop Square
 BOSTON, MASS.
 Telephone 2618-2617-2616, Main.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.
 20,000...\$2.00. 50,000...\$8.75. Sample free.
 For sale by dealers.

E. G. HILL CO.

Wholesale Florists
 RICHMOND, IND.

Please mention Horticulture when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty
 264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service

ZECH & MANN

We are Wholesale Florists Doing
 a Strictly Wholesale Business

30 East Randolph Street, CHICAGO



POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

262B DEVONSHIRE ST., BOSTON, MASS.
 Telephone, Main 6267-6268

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Aug. 9		ST. LOUIS Aug. 6		PHILA. Aug. 6	
Roses						
Am. Beauty, Special	10.00	to 12.00	.....	to 25.00	20.00	to 25.00
" " Fancy and Extra	6.00	to 8.00	.....	to 12.50	12.50	to 15.00
" " No. 1 and culls	3.00	to 6.00	.....	to 8.00	8.00	to 10.00
Russell, Euler, Mock	1.00	to 6.00	4.00	to 12.50	2.00	to 10.00
Hadley	.50	to 4.00	3.00	to 8.00	2.00	to 8.00
Arenberg, Hoosier Beauty	.50	to 4.00	2.00	to 6.00	1.00	to 6.00
Ward	.35	to 4.00	2.00	to 4.00	1.00	to 4.00
Killarney, Radiance, Taft	.35	to 4.00	.....	to 1.00	1.00	to 6.00
Ophelia, Sunburst, Hillingdon	1.00	to 4.00	2.00	to 6.00	1.00	to 6.00
Carnations	.50	to 1.00	1.50	to 2.00	.50	to 2.00
Cattleyas	50.00	to 75.00	50.00	to 75.00	35.00	to 50.00
Dendrobium formosum	.....	to 50.00	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum	3.00	to 5.00	.....	to 10.50	5.00	to 8.00
Lilies, Speciosum	2.00	to 3.00	.....	to 3.00	3.00	to 5.00
Lily of the Valley	5.00	to 6.00	.....	to 8.00	.....	to 8.00
Snappedragon	1.00	to 2.00	.....	to 1.00	.....	to 1.00
Gladioli	1.00	to 8.00	2.00	to 4.00	1.00	to 3.00
Asters	.50	to 2.00	1.00	to 5.00	.50	to 2.00
Sweet Peas	.25	to .50	.....	to 1.00	.....	to 1.00
Marguerites	.50	to .75	.50	to .75	.....	to 1.00
Gardenias	20.00	to 25.00	.....	to 1.00	.....	to 1.00
Adiantum	.25	to 1.00	.....	to 1.00	.75	to 1.00
Smilax	1.00	to 8.00	.....	to 12.50	25.00	to 30.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	15.00	to 25.00	25.00	to 35.00	25.00	to 50.00

WILLIAM F. KASTING Co. Wholesale Florists

568-570 WASHINGTON STREET - BUFFALO, N. Y.

J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
 CARNATIONS
 A Specialty

WHOLESALE
 GROWER of

CUT FLOWERS

Flower Market Reports

BOSTON Lilies, asters and gladioli are in full control of the market this week. Longiflorum lilies are of splendid quality—never better and they sell a trifle better than they did last week. Asters are seen in enormous quantities. Quality runs from medium to extra good and prices are in accordance but a large proportion of the stock stands unsold. Gladioli are of all grades, some of them of gigantic size and really superb. Roses are in very poor shape. Cattleyas are scarce and those that come in bring a big figure. Of miscellaneous stock very little is seen at present, the recent hot weather having scorched up most of this material for the time being. Business has been somewhat better this week than at last report.

The quietest part of the **CHICAGO** year is undoubtedly at hand. Anyone who has summered and wintered many times in the florists' business is in no way disgruntled but is using the quiet time for making new plans for another season and for rest. Those who have not been long in the work and expected such a busy season as last summer are disappointed. Stock has been reduced in quantity to not much more than the regular trade requirements and the surplus is being handled by the special sales at the department stores and the regular flower counters of the ten-cent stores. At the latter, roses are moving quite freely at ten cents per half dozen and that for wide-open stock. Some hint of the stock conditions may be had from the scarcity of the street corner vendors this summer. The coming of asters in such quantities, if it continues, will have an effect on the balance of the August business. The counters are full of them and while prices are not quoted below one cent, it is acknowledged that large sales are made at five dollars per thousand. For a large substantial window flower the gladiolus is having a strong lead. America is in great favor but the supply is limited. In all other varieties there seems to be plenty, and as in the case of asters, the shrewd buyer is able to make his money go a long way. Some wholesale houses, strong on summer roses, are offering excellent stock of medium length but they are mostly growers of their own and can better handle out-of-town orders at this time. Miscellaneous stock still covers quite a range but is narrowing with the mid-summer weather.

Business is rather quiet and stock of all kinds is greatly in excess of the present requirements



BEAUTIES

Our Eastern stock (Rhode Island Reds), are coming in, in quantity, quality very choice, much better than the local stock.

Special per doz.	\$3.00
Fancy " "	2.50
Extra " "	2.00
First " "	1.50
Second " "	1.00

S.S. PENNOCK CO.

THE Wholesale Florists of PHILADELPHIA

NEW YORK 117 W. 28th St.
BALTIMORE Franklin & St. Paul Sts.
PHILADELPHIA 1608-1620 Ludlow St.
WASHINGTON 1216 H. St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Aug. 6	CHICAGO Aug. 6	BUFFALO Aug. 6	PITTSBURG Aug. 7
Roses				
Am. Beauty, Special	to 25.00	20.00 to 25.00	20.00 to 25.00	15.00 to 20.00
" " Fancy and Extra	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	8.00 to 12.00
" " No. 1 and culls	8.00 to 12.00	3.00 to 10.00	2.00 to 3.00	2.00 to 6.00
Russell, Euler, Mock	3.00 to 8.00	3.00 to 10.00	2.00 to 5.00	4.00 to 12.00
Hadley	to 8.00	to 8.00	3.00 to 5.00	to 5.00
Arenberg, Hoosier Beauty	3.00 to 8.00	2.00 to 8.00	3.00 to 5.00	to 5.00
Ward	3.00 to 6.00	2.00 to 8.00	2.00 to 4.00	3.00 to 8.00
Killarney, Radiance, Taft	3.00 to 6.00	2.00 to 6.00	2.00 to 6.00	2.00 to 10.00
Ophelia, Sunburst, Hillingdon	3.00 to 8.00	2.00 to 6.00	2.00 to 6.00	3.00 to 10.00
Carnations	1.00 to 2.00	.50 to 2.00	.50 to 1.50	1.00 to 2.00
Cattleyas	to 75.00	60.00 to 75.00	40.00 to 50.00	40.00 to 75.00
Dendrobium formosum	to 12.50	5.00 to 8.00	6.00 to 10.00	to 10.00
Lilies, Longiflorum	to 12.50	5.00 to 8.00	6.00 to 10.00	to 10.00
Lilies, Speciosum	to 7.00	4.00 to 6.00	3.00 to 5.00	to 5.00
City of the Valley	to 7.00	4.00 to 6.00	3.00 to 5.00	to 5.00
Snaptagon	3.00 to 5.00	3.00 to 6.00	2.00 to 3.00	1.00 to 3.00
Gladioli	3.00 to 6.00	8.00 to 6.00	2.00 to 5.00	4.00 to 6.00
Asters	2.00 to 3.00	.50 to 3.00	1.00 to 2.50	.50 to 2.00
Sweet Peas	.35 to .50	to .50	.20 to .75	to .50
Marguerites	to 1.00	to 1.00	.50 to 1.00	to 1.00
Gardenias	to 1.00	to 1.00	to 1.00	to 1.00
Adiantum	to 1.00	to 1.00	to 1.00	to 1.00
Smilax	to 15.00	20.00 to 25.00	15.00 to 20.00	10.00 to 15.00
Asparagus Plu. & Spren. (100 Bhs.)	20.00 to 25.00	25.00 to 50.00	25.00 to 50.00	30.00 to 50.00

of the market. As a result prices are lower than usual at this time of the year. Choice and long roses are very limited as far as quantity is concerned. Lilies are fairly plentiful. Gladioli are in so heavy that it almost amounts to a glut. Asters are plentiful and generally of a high quality. Some good hardy hydrangea is coming in.

Asters dominate the **NEW YORK** market now. They are conspicuous in all the wholesale marts in great quantity, wide variety of color and varying quality, many being very poor and a few very good. The selling price is fixed accordingly. Longiflorum lilies are selling better than they did last week and much of the stock offered is of very fine quality. There are large quantities of rubrum lilies, more than can be disposed of and as they do not keep well many are lost. Roses run very diminutive, only a few of acceptable size being seen. Carnations have about disappeared altogether. Cattleyas are scarce and are bringing high figures, even Gaskellianas selling at 75 cents to \$1.00 apiece. Dahlias are seen already in considerable quantities, many badly damaged by bad packing. A few yel-

low chrysanthemums here and there and masses of golden rod in the wild goods stores remind us that autumn will not be long in getting here. An unusual quantity of zinnia blooms are seen in the windows, some of them of very good strain. Their good keeping quality is in their favor and they are worthy of more care in selection than they usually get. Some very good mignonette for outdoor grown is in sight. Gladioli are everywhere, some superb and plenty of the other kind. The weather cooled off at the end of last week and business braced up nicely on Saturday as a result. Since then it has been fair for the season.

The week of July **PHILADELPHIA** 30 to August 4 was one of the hottest we have experienced in this city for some time. The weather bureau says the hottest in sixteen years. Of course this had its effect on flowers both in the quality and the demand. The asters were plentiful, but the great bulk of them were under grade. Really good asters sold well and more of them could have been used. The poor ones were a glut. Gladioli also a little too plentiful. The rose market held up very well except perhaps in Beauties which were rather

(Continued on page 150.)

H. E. FROMENT

Wholesale Commission Florist
Choice Cut Flowers
New Address, 143 West 28th St., NEW YORK
Telephones: 2200, 2201, Madison Square.

HENTZ & NASH, Inc.

Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 785
Farragut New York

WM. P. FORD

Wholesale Florist
107 W. 28th Street, NEW YORK
Telephone 5335, Farragut.
Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT

WHOLESALE FLORIST
109 WEST 28th ST
CONSIGNMENTS SOLICITED
PHONE 608 / 609 / FARRAGUT NEW YORK

JOHN YOUNG & CO.

WHOLESALE FLORISTS
53 WEST 28th STREET NEW YORK CITY
Consignments Solicited
Phone Farragut 4336

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Leucothoe, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorative Evergreens.
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WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
8 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

GEORGE B. HART

WHOLESALE FLORIST
24 Stone St., Rochester, N. Y.

RIEDEL & MEYER, Inc.

Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

P. J. SMITH

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes.
TELEPHONE 2281 / 3089 FARRAGUT 131 West 28th St., NEW YORK CITY

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY
SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US
Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist
55 and 57 W. 26th Street, - - NEW YORK
Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the
BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.
PAUL MECONI — Wholesale Florist — NEW YORK
Telephone Nos. 3864 and 8364 Madison Square 57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us
FANCY GRADE ORCHIDS, SEPTEMBER MOON, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists
111 West 28th Street, NEW YORK
Phones: Farragut 558, 2036 and 2037

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Aug. 4 1917		First Half of Week beginning Aug. 6 1917	
American Beauty, Special	12.00	to 15.00	12.00	to 15.00
" " Fancy and Extra	8.00	to 12.00	8.00	to 12.00
" " No. 1 and culls	1.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock .....	.50	to 6.00	.50	to 6.00
Hadley .....	.50	to 6.00	.50	to 6.00
Arenberg, Hoosier Beauty .....	.50	to 4.00	.50	to 4.00
Ward .....	.25	to 3.00	.25	to 3.00
Killarney, Radiance, Taft .....	.25	to 3.00	.25	to 3.00
Ophelia, Sunburst, Hillingdon50	to 6.00	.50	to 6.00
Key50	to 4.00	.50	to 4.00
Carnations50	to 1.50	.50	to 1.50

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Wholesale Commission Dealer in
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LILIES EVERY DAY
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WHOLESALE FLORIST
Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
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WHOLESALE FLORISTS
55-57 West 26th Street
Telephones, 13—8510 Madison Square
MAURICE L. GLASS, Treasurer
Consignments Solicited

MAKE YOUR OWN CHRISTMAS WREATHS START THEM NOW

USE OUR NATURAL PREPARED GREEN LYCOPODIUM

Fire proof and guaranteed not to become brittle. Put up in convenient size carton, 10 lbs. net. This is a good substitute for Sea Moss.

PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street
PITTSBURGH, PA.

Flower Market Reports

(Continued from page 157)

sluggish. The indications are for a decreased supply for a while. Not so many cattleyas around the most conspicuous at present being Harrisonia. They move fairly well. Lilies improved and by the end of the week instead of too many there were not enough and the price doubled. This was caused by the large increase in mortuary demand, incident to the high death rate from the hot spell. The greens market is in better shape—especially plumosus. Adiantum unusually plentiful and cheap.

Two or three show-
PITTSBURGH ers at time of writing fortunately have revived vegetation, which has rapidly shown the deadening effects of the dry, hot weather. Roses continue scarce and of inferior quality. Carnations are things of the past. Asters and gladioli continue plentiful. The former are of only fair quality, but the latter are good. Business or rather non-business, is just about as to be expected. The fashionable florists "are having the time of their young lives" from the viewpoint of rest and quiet.

The market has
ROCHESTER stirred somewhat this week and conditions are more favorable. Flowers are very plentiful and prices are low. Outdoor stock continues to come in in large quantities but does not sell over fast. Very fine gladioli reach the market and sell fairly well. Asters are much larger and better than last week. Carnations are very poor. Harrisii lilies and rubrums are plentiful but do not sell over fast. Roses have sold faster the past few days. Sweet peas have been badly scorched owing to the excessive heat and very few good ones are seen.

Very warm weather
ST. LOUIS with little doing. Asters are increasing. There is a fair supply of gladioli which have cleaned up fairly well. Carnations are small and scarce. A few roses of good quality are received. Lilies are good.

There was a better
WASHINGTON tone to the market last week, stock moving in larger quantities. The retailers complain that good stock is hard to get and the wholesalers state that poor stock is very hard to sell. What is coming in is very largely of poor quality. The market is overrun with gladioli and while the demand is good, prices average very low. There are plenty of asters, but of inferior quality. Good asters sell readily. Limited quantities of dahlias are offered and these sell well because they

PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M. TELEPHONE MAIN 2608.

J. K. ALLEN, WHOLESALE COMMISSION FLORIST

Always Ready to Receive Consignments and Can Market Them Satisfactorily. Wanted Specially, Early Peonies, Gladioli, etc., for Spring Trade.

A Clean Record For Thirty Years

118 West 28th Street, - - - NEW YORK

Telephones: 167 and 3058 Farragut

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Aug. 4 1917		First Half of Week beginning Aug. 6 1917	
Cattleyas.....	50.00	to 100.00	30.00	to 100.00
Dendrobium formosum.....	.....	to 40.00	.....	to 40.00
Lilies, Longiflorum.....	3.00	to 6.00	4.00	to 8.00
Lilies, Speciosum.....	1.00	to 3.00	1.00	to 3.00
Lily of the Valley.....	4.00	to 6.00	4.00	to 6.00
Snagdragons.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	1.00	to 3.00	1.00	to 3.00
Sweet Peas.....	.15	to .50	.15	to .50
Marguerites.....	.25	to .50	.25	to .50
Gardenias.....	20.00	to 50.00	20.00	to 50.00
Adiantum.....	.25	to 1.00	.25	to 1.00
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, & Spreng (100 bunches).....	10.00	to 20.00	10.00	to 20.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

Address Your Shipments to

UNITED CUT FLOWER CO. Inc.

111 W. 28th St., NEW YORK

D. J. Pappas, Pres.

CONVENTION VISITORS WELCOME

COMMISSION DEALER FRANK MILLANG

HOME GROWN ASPARAGUS

CUTFLOWERS

IN ANY QUANTITY

55-57 W. 26th St., NEW YORK

are not yet in oversupply. Hydrangea paniculata of fine quality is offered. There are a great many rubrum lilies but their sale is limited. Lilies are plentiful—sale draggy.

NEW FLOWER STORES.

Alexandria, La.—Manheim & Schubert.

Charlotte, N. C.—Louis Ratcliffe, McKinnon Bldg.

Thornton, R. I.—Alfonso Lefazia, Atwells avenue.

Peoria, Ill.—Pierson Floral Co., 2000 N. Perry street, succeeding Murray Floral Co.

Established 1886 Tel. 581 Farragut

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Wholesale Commission Florists

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We Solicit Consignments of New England Grown Novelties.

Beechwood Heights Nurseries

Importers and Growers of

ORCHIDS

Out Flowers of All the Leading Varieties in their Season.

THOMAS YOUNG, Jr., Proprietor
BOUND BROOK, N. J.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Decorative Glassware, Growers and Florists' Requisites

ALEXANDER MONTGOMERY LEAVES NATICK.

There is much regret at the announcement of the resignation of Alexander Montgomery, superintendent of the Waban Rose Conservatories, at Natick, Mass. He will go to Hadley to assume active control of the plant of the Montgomery Company, which he established in 1907 and put in



ALEXANDER MONTGOMERY.

charge of his two sons, Alexander and Robert. Mr. Montgomery came to Natick 37 years ago and assumed charge of the little plant started by the late Edmund M. Wood. He saw it grow from modest beginnings until it was the largest rose growing range in the country, though its 275,000 feet of glass has since been equaled or surpassed by others. Mr. Montgomery

is recognized as one of the foremost rose growers in this country. The Mrs. Charles Russell, Hadley and other bright stars of the rose firmament attest to his skill as a hybridist and there are other gems of equal or even greater brilliance to come out later. Boston will miss Alexander Montgomery. Horticulturists best wishes follow him and Mrs. Montgomery to their new home.

PROVIDENCE, R. I.

Macnair's Broad St. store, is a potent attraction for the passing throng something spectacular in the way of window display being provided each season. This year it is a water cascade and pool with spouting geyser which discharges 1,500 gallons of water a minute. The power is generated by an electric engine in the basement.

Mary F. Pollock, formerly located on Broad street, now has a store on Beacon avenue around the corner from her former place. Mrs. Pollock has the advantage of a very long experience in the retail flower business, having been many years with the late Robert Hogg on Broadway and afterwards with the late William Appleton, who succeeded Mr. Hogg. The Broadway establishment is being successfully conducted by William Appleton's son. Two years ago a serviceable and attractive office with store front and concrete flower cellar was added to the greenhouse front. This substantial improvement is further amplified in the planting of the grass space on the sidewalk with fuchsias, colons and other bedding material, which Mr. Appleton well knows how to do.

ROCHESTER, N. Y.

Douglas M. White has returned from his vacation to Lake Placid.

George T. Boucher has just returned from his automobile tour to Chicago.

Miss Mary Smith, of Geo. B. Hart's, is spending her vacation at Dansville, N. Y.

Mr. and Mrs. E. C. Armbrust are spending their vacation with relatives at New Britain, Conn.

W. H. Dildine and family are living at their farm house near Spencerport for the summer months.

Rose Brown, of Rosary Floral Company, is on her vacation, also Geo. Case, of James Vick & Sons.

Horace J. Head spent last Sunday in Hilton where he assisted in giving a Red Cross benefit concert.

Cincinnati—On Monday, August 4th, the members of the Cincinnati Florist Society visited the greenhouses of The Kentucky Florists.

The management of the Carthage Fair is requesting local florists to stage exhibits at the fair the middle of this month.

Jos. Mannder returned Sunday evening from an auto trip through Southern Indiana.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$8.00.

FUNCINE

For mildew, rust and other blights affecting flowers, fruits and vegetables.

Quart, \$1.00; Gallon, \$8.00.

VERMINE

For ear worms, angle worms and other worms working in the soil.

Quart, \$1.00; Gallon, \$8.00.

SOLD BY DEALERS.

Aphine Manufacturing Co.
MADISON, N. J.



Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c.; Pint, 40c.; Quart, 75c.; 1/2 Gallon, \$1.25; Gallon, \$2; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50. Directions on package.

LEMON OIL COMPANY

Dept. S. 420 W. Lexington St., Baltimore, Md.

USE WIZARD BRAND CONCENTRATED PULVERIZED MANURE

Pulverized or Shredded
Cattle Manure
Pulverized
Sheep Manure

The Florist's standard of uniform high quality for over ten years. Specify: **WIZARD BRAND** in your Supply House order, or write us direct for prices and freight rates.

THE PULVERIZED MANURE CO.
26 Union Stock Yard, Chicago

IMP. SOAP SPRAY

Quarts, 55c. Gallons, \$1.65
Fives, \$6.50

Try with 24 parts water. Often effective weaker.

Ask your dealer or write

EASTERN CHEMICAL CO.
BOSTON, MASS.



NIKOTEEN
For Spraying
APHIS PUNK
For Fumigating
Ask Your Dealer For It
NICOTINE MFG. CO.
ST. LOUIS

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Bulbs of all descriptions. Write for prices.
NEW YORK BRANCH, 8-10 Bridge St.

CARNATIONS

Carnations—Matchless, Ward and Alice,
6c.; 500 Belle Washburn, 8c. BETTY
FARR, Stoneham, Mass.

CARNATION STAPLES

Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 1000 for 35c.; 3000 for \$1.00 post-
paid. I. L. PILLSBURY, Galesburg, Ill.

CYCLAMENS

Cyclamen—Best strain, separate colors,
or mixed, 2 1/4 in. pots, \$7.50 per 100; \$60.00
per 1000. J. H. FIESSER, North Bergen,
N. J.

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Peony Dahlia Mrs. Frederick Grinnell.
Stock For Sale.
JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or
Spring delivery. Wholesale and Retail.
Send for Catalog. NORTHBORO DAHLIA
& GLADIOLUS GARDENS, J. L. Moore,
Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker,
Newest, Handsomest, Best. New color, new
form and new habit of growth. Big stock
of best cut-flower varieties. Send list of
wants to PEACOCK DAHLIA FARMS,
Berlin, N. J.

GLASS

Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish goods, nets,
etc., wholesale. FRANKLIN BARRETT,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

ORCHIDS

HASSALL & CO., Orchid Growers and
Raisers, Southgate, London, England. Im-
mense stock of Cattleyas.

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French Peonies can be shipped with
celerity and security via Bordeaux-New
York. Catalogues free. DESSERT, Peony
Specialist, Chenonceaux (I. & L.), France.

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

ROSES

Roses, Cannas and Shrubs. THE
CONARD & JONES COMPANY, West
Grove, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGER
& HURRELL, Summit, N. J.

VINCAS

Vinca variegata from 4 in. pots, price
\$10.00 to \$15.00 per hundred. WM. CAP-
STICK, Auburndale, Mass.

VINES

Flowering and Foliage Vines, choice
collection. Large Specimen, Pot and Tub
grown for immediate effect; also Climbing
Roses. J. H. TROY, Mount Hissarlik Nur-
sery, New Rochelle, N. Y.

WIRE WORK

WILLIAM E. HEILSCHER'S WIRE
WORKS, 264 Randolph St., Detroit, Mich.

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Advertisements in this column
Ten Cents a Line. Cash with order.
All correspondence addressed "Care
HORTICULTURE" should be sent
to 147 Summer St., Boston.

HELP WANTED

WANTED

BY A WELL KNOWN SEED HOUSE

A traveling salesman familiar with the
seed, bulb and plant business and well
acquainted with the gardeners eastern
territory. Must come well recommended.
All communications strictly confidential.
Address with particulars. "D. W.," care
HORTICULTURE.

SEED TRADE—HELP WANTED, MALE

Opening for a bright middle aged man
as A-1 executive, thoroughly familiar with
the seed, bulb and plant business and all
details pertaining thereto. Capable of
handling store force. Location, New York
City. Must have high references. All com-
munications strictly confidential. Address
with particulars. "D. W.," care HORTI-
CULTURE.

SITUATIONS WANTED

SITUATION WANTED—By expert grower
of Christmas and Easter stock, Orchids,
Cut Flowers, Tomatoes, Fruit and Vege-
tables under glass. Can take charge of large
place, trade or private. Able to handle
help. First class references. Nineteen
years' experience. Single, age 33, disen-
gaged. Address "H. V.," care of HORTI-
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FOR SALE

FOR SALE IN SOUTHBORO, MASS.
22-acre farm highly cultivated, good
buildings, modern house, near Boston and
Worcester Electric car line. Two good
cows, 1 horse, 1 heifer, 2 calves, hens and
pigs. All this years' crops included in
sale. Price for quick sale, \$7,000. For
further particulars call "Hyde Park 59."
F. L. GEORGE, Everett Square, Hyde Park,
Mass., Tel. H. P. 59; Wolcott Square, Read-
ville, Mass., Ttl. H. P. 72.

FOR SALE—Greenhouses in Boston,
prime condition, 12,000 feet under glass, 2
acres land. Yearly business \$8,000 to
\$10,000. Sickness only reason for sale.
Write or 'phone (Main 280) A. L. KING,
155 Milk St., Boston, Mass.

DON'T BUY

Until you see
what the

Leading Dealers

Have to offer in the

Convention

Number

OF

HORTICULTURE

Aug. 18, 1917

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thing you want to
Sell to the Reputable
Trade in Any Part
of the Country Send
Us your Advertise-
ment On or Before

Wednesday
August 15

The Earlier the Better

MIX UP! IT PAYS!

When Writing to Advertisers Please Men-
tion Horticulture

Est. 1765

Inc. 1904

Pot Makers for a
Century and a Half**HEWS****STRONG
RED
POROUS****POTS**World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.

THEY SELL GLASS.

Obituary

Charles Hewitt.

Charles Hewitt, long time superintendent on the Mrs. C. P. Huntington estate at Throgg's Neck, and well known and respected in the gardening fraternity, died on Friday, August 3.

H. A. Jahn.

Heinrich A. Jahn, widely known as a carnation raiser, died at his home in New Bedford, Mass., on Saturday, August 4, aged 59 years. Mr. Jahn was long a member of the American Carnation Society and a frequent exhibitor of seedling carnations at their shows.

John A. Bopp.

The body of John A. Bopp, florist, of Cumberland, Md., was found on the morning of August 1st in a pond on his farm by his son Arthur. Mr. Bopp sold his farm on the Potomac river as the site for the Kelly-Springfield tire plant, being paid \$50,000. He had worried over moving and had not been in good health. Mr. Bopp was born in Germany 62 years ago. The destruction of his fine greenhouses seemed to prey on his mind, although he sold out at big profit. The pond, about 200 yards from the home, is about three feet deep, and the body was found lying face downward some distance from the edge. A son, William Bopp, was drowned some years ago while skating. The father recovered the body. Mr. Bopp is survived by his wife, two sons—J. Elmer Bopp and Arthur Bopp—and one daughter, Mrs. J. Garfield Sowers. He left a big estate.

BUSINESS TROUBLES.

Secaucus, N. J.—A. D. Schirnfeld, florist, voluntary bankrupt, assets, \$1,324; liabilities, \$6,454.

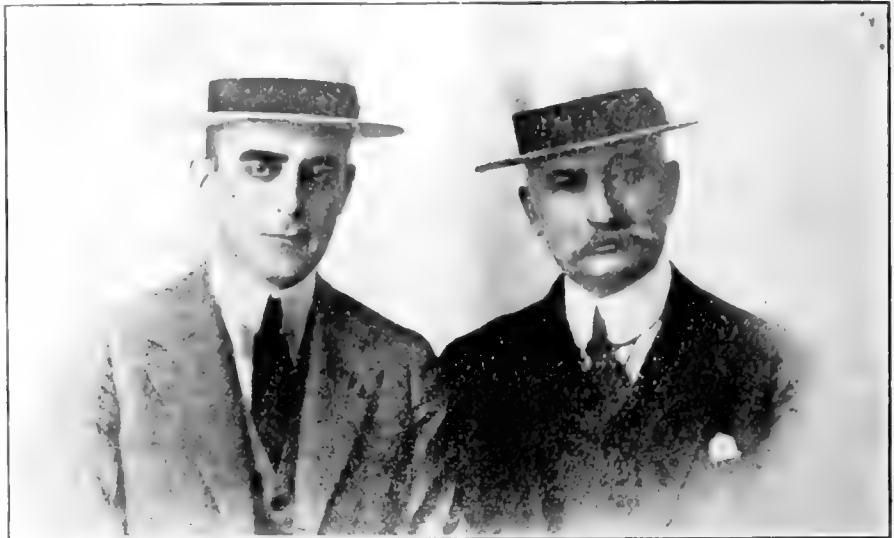
Ottumwa, Ia.—Oliver O. Swearingen, florist, voluntary bankrupt, assets, \$2,765; liabilities, \$4,440.

Kansas City—A fine rain has done much good to the parched-up ground. It would have been better had it come sooner for the drought has been long and severe here.

STANDARD FLOWER POTS

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST
29th & M Sts., Washington, D. C.



CHARLES H. PASCOE.

EDWARD H. FLOOD.

The picture herewith is a very happy one of E. H. Flood, one of the big men in the glass business, and the New York and Philadelphia representative

of the Johnston Brokerage Co. The picture was taken at New York during the glass men's convention, July 24, 25 and 26. To the left is C. H. Pascoe of the American Window Glass Co.

NEWS NOTES.

New Haven, Conn.—The Cowan-Heller Floral Company has dissolved.

Lansdowne, Pa.—B. Schilder has purchased the greenhouses and twelve acres of land from the Aldrich Penneck estate.

Port Richmond, N. Y.—Fire damaged the flower shop of Charles Trumpore to the extent of \$500 Sunday morning, July 22. The blaze, starting on the ground floor of the building, is believed to have been caused by short circuiting of the electric wires.

Yonkers, N. Y.—The Yonkers Nursery Company has applied for a permit to erect stables, a potting house and garage to replace the structures burned in a recent fire. The construction will cost close to \$50,000, it is estimated. The potting house will be 30x80 feet, wagon sheds 26x80 feet, and the stables 20x76 feet. A temporary garage, which will be used later as a palm house, will be 27x90 feet. The last structure will be all of concrete and glass.

Utica, N. Y.—Peter Crowe is home from his sojourn in California much infatuated with the Pacific country. During his absence the entire greenhouse establishment has been ably managed by his granddaughter, Miss Ann Crowe.

Announcement is made that the firm of Williams & Wedder, florists, 1510 Sunset avenue, is to be succeeded by Williams & Kalkhof, who will con-

tinue the business at the same location. Milton Williams has been a florist 25 years and at his present location two and one-half years.

GREENHOUSES BUILDING OR CON- TEMPLATED.

Philadelphia, Pa.—M. W. Taylor, 5722 Greene street, one house.

Portland, Ore.—Holden Floral Co., two houses each 30 x 128.

Eureka, Kan.—L. Vanhaverbeke, one house.

Redwood City, Cal.—Henry Goertzhain, display house 30 x 85.

Corryingham, Pa.—Norman Raedler, range of houses.

Buffalo, N. Y.—Mrs. T. C. Woodward, 6 Lincoln Parkway, one house.

Bonham, Tex.—Baxter Sitzler, West 7th street, house 36 x 191.

Wooster, O.—Mrs. G. Kingsley, rebuilding.

Woonsocket, R. I.—Alonzo Vose, two houses.

JACOBS GREENHOUSES BUILT
TO LAST

Substantially built for service
Scientifically designed for results
Speedily and economically erected

S. JACOBS & SONS
1350-1395 Flushing Avenue, BROOKLYN, N. Y.

Plans and
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GREENHOUSES—ALL KINDS

We go anywhere in the U. S. to submit plans and prices

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DREER'S
FLORIST SPECIALTIES
New Brand New Style
"RIVERTON" HOSE

Furnished in lengths up to 100 ft. without seam or joint.

The HOSE for the FLORIST

3/4-inch,	per ft.,	17 c.
Reel of 500 ft.,		16 1/2 c.
2 Reels, 1000 ft.,		16 c.
1/2-inch,		15 c.
Reels, 500 ft.,		14 1/2 c.

Couplings furnished


HENRY A. DREER
714-716 Chestnut St.,
PHILADELPHIA, PA.

Evans 20th Century Arm

Most up-to-date arm on the market. Beware that it is better than any other is that others tried to imitate it. Write for our new catalog just out.

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Are properly designed, durable and a source of great satisfaction to their owners.
WRITE FOR ESTIMATE.

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3275 W. 31ST ST., CHICAGO, ILL.

GLASS

**AND
HOT-BED SASHES**

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

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215-217 Havemeyer St., Brooklyn, N. Y.

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Dreer's Peerless Glazing Points
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights c. lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

**FULL
SIZE
No 2**

The Florists Hall Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars address JOHN G. ESLER, Sec., Saddle River, N. J.

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Greenhouse Materials

Pecky Cypress Bench Lumber

GLASS

GULF CYPRESS

HOT BED SASH

ALL KINDS AND SIZES

Unglazed—85c. up
Glazed—\$2.05 up.



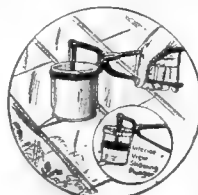
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LIQUID PUTTY MACHINE**

Will last a lifetime,
\$1.25 each

**"SEAL TIGHT
LIQUID PUTTY"**

will not harden,
crack or peel off.
\$1.35 per gallon in
10 gallon lots.

\$1.40 per single
gallon



HOSE

NON-KINK WOVEN

In any length (one piece) with couplings, 14c. per foot. Unequaled at the price.



METROPOLITAN

Patented Greenhouse
BOILERS

Very best boiler for its size. Will do more work than any other boiler. Comes in all sizes. Quick-est acting boiler, almost instantaneous. We are offering our boilers at our old prices. Order at once.



Metropolitan Material Co.
PATENTED GREENHOUSES

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MASTICA

For Greenhouse
Glazing
USE IT NOW

F. O. PIERCE CO.

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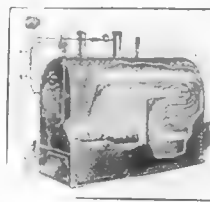
Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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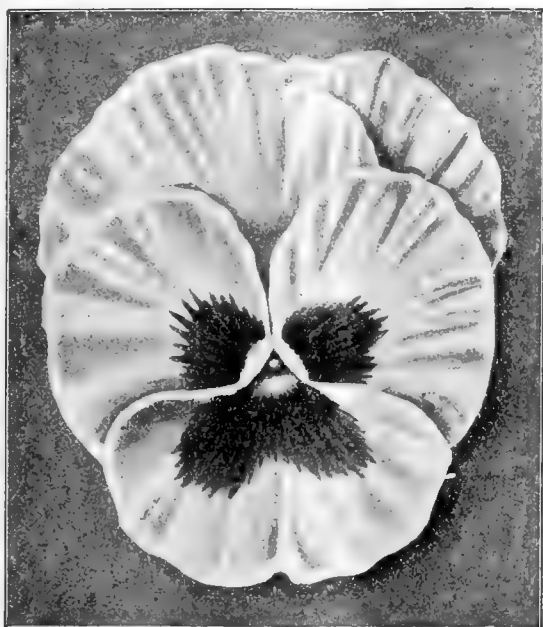
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We extend a cordial invitation to all delegates of the S. A. F. & O. H. to visit our nurseries at Riverton, N. J., on their way to or from the Convention and also call your attention to our display at Convention Hall, where we will show a full line of samples of our specialties. Our representatives will be in attendance and will be pleased to meet you.

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EUREKA : : CALIFORNIA

NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

Chrysanthemums

Chrysanthemums should now have some extra feeding. The fine feeding roots are by this time close to the top and in many cases where the foliage of the plants shades the soil sufficiently they are visible. This means they are looking for nourishment. All they require is a good mulch, which might consist of well rotted stable manure or good loam mixed with manure or followed by a dose of liquid cow manure. Either will do the work and keep the plants in a good condition. I suggest cow manure wherever such can be had. It is the safest and one of the best. Where that cannot be had I think sheep manure the next best, if not equal. Keep up the syringing on all good days, and do not let them suffer from lack of water at the roots. Keep down fly, fumigating every week from this out.

Care of Primulas

In potting the Chinese primroses set the plants just low enough that they will stand firmly in the pots. Those left too high will be wobbly and will need staking and will never make as good plants as those set a little deeper. The intense heat of the first half of July has been trying for primulas, which, like many other winter flowering plants love cool weather and only start to grow in earnest with the arrival of cold nights. When the thermometer registers 90 degrees or even 100 degrees in the shade, day after day, many of the pot plants suffer severely unless closely watched. Cold frames are the places for them and the sashes should be raised top and bottom until about the 10th of September or when there is danger of frosts. Give them a spray in the morning and right after dinner. See that they do not become infested with fly. Give light fumigation about every ten days and they will be always clean and healthy.

Florists' Greens

Isn't now that the green question worries many of us, but it is bound to concern us next December and January, and happy will be the man who is able to cut from a good supply. Asparagus sprengeri is making a strong growth just now whether old or young stock. Good growth necessitates sufficient feeding, so let the plants have it in the form of a top dressing which may consist of about two-thirds well rotted manure. This may be given frequently for at this time of the year the plants make a heavy growth without coaxing them, and you should encourage this. Keep the bench free from weeds and cultivate the surface regularly. It is not too late yet to make new beds, so where there is room do not be afraid to do so. Keep

the plants well watered also syringe thoroughly to keep them clean of mealy bug.

Palms

Palms of advanced age and size being excessively root-bound should now be potted, if this operation, owing to pressure of work, had to be postponed earlier in the season. At this season palms do their best growing and the cultivator's chief aim now must be to prevent this growth from becoming soft and flabby, which under too densely shaded glass and with an overplus of humidity in the house is only too likely to occur. Abundant ventilation day and night is therefore now in order. Badly infested plants should be given a thorough cleaning and be set by themselves. A fumigating now and then with any one of the different nicotine preparations will do no harm and is the safest means of keeping down insects, while forceful syringing prevents others from gaining a firm foothold. Young palms can be plunged in ashes, which will help to keep them in an even state of moisture all the time.

Poinsettias

Get the cuttings into the sand as soon as possible. Let some of the soft wood remain on the woody stalks of the old plants to finish more cuttings. If you propagate a few hundred more than you need for yourself, no harm will be done. The ideal pan for the retail trade is about 8 to 10 inches in diameter. These pans are best planted with well established $2\frac{1}{2}$ inch stock. June or July cuttings will be the best for benching or pot culture if a $\frac{1}{4}$ to 6 ft. stem is needed as is often the case during December. On the other hand, the call for made-up pans of growing plants has wonderfully increased and for the last two seasons there has been a shortage in the supply of good poinsettias in pans. These late-struck cuttings make fine stock to be sold in 4-inch pots.

Reminders

Keep up spraying with nicotine on the late chrysanthemums.

Keep the soil loose under the bulbs of all kinds and firm over them.

Repair bulb flats on wet days as they will be needed in quantity soon.

Sweet peas may be grown on the benches that the asters are cleared from.

Finish up all glazing to sash and greenhouses while the weather is fine and dry.

Watch all newly planted shrubs and trees and give thorough soaking rather than repeated small doses. Give no liquid manure.

Next Week:—Amaryllis; Care of Geraniums; Ferns; Home Grown Shrubs for Forcing; *Lilium candidum*; Reminders.

HORTICULTURE

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New York City, together with its environment of ocean, noble rivers and far spreading suburbs, presents a myriad of attractions for the visitor. It is asserted that more than five hundred conventions are scheduled to meet in New York this year. In one of these only are we interested at present and whatever may be the

sight and possibilities of the remaining four hundred and twenty-five we doubt if the S. A. F. visitors to the metropolis next week will be disposed to do much rambling other than calling upon the various floral and horticultural establishments in the city and neighborhood whose proprietors have hung out the latch string and where there is something interesting and profitable in a business way to be seen. Some will want to visit the nurseries and greenhouse establishments in Long Island, New Jersey and up-the-Hudson; many will be interested in the wholesale cut flower districts in 26th and 28th streets; others will want to look in on the down-town seed and bulb marts and the almost countless retail flower stores will no doubt attract many. It is in the air that this is to be an ideal business convention, and the place where much of the interest will center and where one can be surest of finding acquaintances, business or social, all the time, will be right in the big trade exhibition hall in the Grand Central Palace. But for such of the Convention visitors as are unfamiliar with the city or uninformed as to what it offers and desire to do some sight-seeing there will be abundant sources of information more explicit and more convenient than anything we might attempt in the guide-book line. Pamphlets, maps and guide books covering all this are to be had, free, at most of the hotels and then there will be, too, an information bureau in conjunction with Secretary Young's office in the Grand Central Palace where all inquiries will be intelligently answered. Bearing all this in mind we have not deemed it necessary or wise to burden our pages with information and statistics regarding the city and its many points of interest. We have, however, gone so far as to insert reproductions of three notable views of New York, each telling its own impressive story. Central Park is unquestionably the richest possession, of human source, which New York can boast. The picture which we present showing the original condition of the site of this world-famed breathing spot for the teeming millions of the great city is certainly worthy of the space we have given it. The highest achievement in greenhouse construction is well typified in the beautiful Bronx Park conservatories which we also illustrate, as is the greatest triumph in office building architecture as shown in our cover picture of the Woolworth Building, 784 feet high, the loftiest inhabited building in the world. As to the Convention prospects, the last word from Secretary Young as we go to press is exceedingly encouraging and optimistic and he knows, if anybody does. Particularly inspiring is the list of exhibitors which appears in another column of this paper—a remarkable showing, under the circumstances and others will surely come in before the opening date.

HORTICULTURE extends best wishes to the S. A. F., its members individually and collectively, hoping that the Convention may be a notable success in every detail and set a new standard in efficiency for those that are to follow in the years to come and that its deliberations on the weighty problems of the hour may be guided by wisdom and be productive of lasting benefit to the cause of American horticulture.

CONDUCTED BY

CONDUCTED BY
Arthur Kožička

Houses planted early in the season will need a little mulch of good manure to balance the food ration in the soil, and also to protect the tiny rootlets that will now be coming to the surface. See that the plants are not too dry when the mulch is applied, and see that it is watered in as soon as the manure is on the benches. Do not apply manure to a piece of bench today and a little more tomorrow. Wait until the plants are in a right condition to take it and that is when a crop starts to come, the young shoots being about an inch long or slightly longer, and then apply it to at least a whole bench at once, watering it well. If fresh manure has to be used do not apply it to a whole house at once, and see that there is plenty of air left on to let whatever ammonia escapes, up through the vents where it will do the plants no harm. Before applying the mulch clean off the benches well, and sprinkle a little bone meal which can be "rubbed" in: not scratched with iron weeders which tear the roots all to pieces but with the hands only, being careful not to go too deep.

SOCIETY OF AMERICAN FLORISTS —AND— ORNAMENTAL HORTICULTURISTS

INCORPORATED BY ACT OF CONGRESS MARCH 1, 1901

Thirty-Third Annual Meeting, August 21, 22, 23, 1917

Grand Central Palace, Forty-Sixth St. and Lexington Avenue, New York.

This is an organization whose objects are to advance the interests of floriculture in America; to encourage the development of its industries; to classify its products and determine nomenclature; to secure for those engaged in floriculture such commercial rights and other advantages as can only be obtained through co-operation and organization, and to bring about friendly social relations between its members.

OFFICERS FOR 1917.

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William R. Nicholson, Framingham, Mass.;
Wm. J. Keimel, Elmhurst, Ill.

Term Expiring 1919
Angelo J. Rossi, San Francisco, Cal.; Charles L. Baum, Knoxville, Tenn.

Term Expiring 1920
Frank X. Stuppy, St. Joseph, Mo.; Geo. W. Hess, Washington, D. C.

Executive Board.

The executive board comprises the foregoing Officers and Directors, together with the Junior Ex-President, the Washington Representative and the following

named Representatives of Affiliated Organizations to serve one year:

George Asmus, Vice-Pres. Florists' Tel. Delivery.

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Entomologist. — Dr. T. F. Headlee, Agricultural Experiment Station, New Brunswick, N. J.

Superintendent of Trade Exhibition. — John Young, New York.

National Flower Show Committee

George Asmus, Chicago, Ill., Chairman.

Term expires Dec. 31, 1918
Chas. H. Totty, Madison, N. J.

Term expires Dec. 31, 1917
A. Farenwald, Roslyn, Pa.

Term expires Dec. 31, 1919
Wm. P. Craig, Philadelphia, Pa.

Term expires Dec. 31, 1920
Patrick Welch, Boston, Mass.

Term expires Dec. 31, 1921
Thomas Roland, Nahant, Mass.

Term expires Dec. 31, 1922
John Young, Secretary.

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Committee on Storm Damage Insurance

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Sections E. G.

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**WILLIAM J. KEIMEL**

Director Society of American Florists



CHARLES L. PAUL
Director, Society of American Florists



S. S. PENNOCK
Member of Executive Board and President
American Rose Society



J. F. AMMANN
Member of Executive Board and President
American Carnation Society

P. Knoble, Cleveland, O.; Philip Breitmeyer, Detroit, Mich.

Sections C, D

E. Allan Peirce, Waltham, Mass.;
Henry Weston, Hempstead, N. Y.;
William G. Badgley, Chatham, N. J.

Judges for Convention Garden

A. Herrington, R. A. Vincent, John H. Pepper.

State Vice-Presidents for New York
New York East, Max Schling, New York City; New York West, Wallace H. Eiss, Buffalo.

Officers of the New York Florists' Club for 1917

G. E. M. Stumpp, President; J. H. Flessner, Vice-President; John Young, Secretary; Wm. C. Rickards, Jr., Treasurer.

Trustees of New York Florists' Club

One year, Chas. Schenck, Max Schling, R. G. Wilson; Two years, R. J. Irwin, John Canning, A. Kottmiller. Henry Weston, ex-officio, one year.

THE PROGRAM

First Day—Tuesday, August 21

OPENING SESSION.

2.00 p. m., opening exercises in Convention Hall, Grand Central Palace. Convention called to order by George E. M. Stumpp, President New York Florists' Club. Address of Welcome by Vice-President A. L. Miller. Address of Welcome by Hon. John Purroy Mitchel, Mayor of New York. Response, Robert Craig. President R. C. Kerr's Address. Reading Minutes of Executive Board. Report of the Secretary. Report of the Treasurer.

Report of the Washington Representative. Reports of State Vice-Presidents. Reports of Standing Committees. Reports of Special Committees. Discussion on Amendments to be voted on at evening session. Miscellaneous Business. Judging of Trade Exhibits. Consideration of Place of Meeting for 1919.

First Day Evening Session

8.30 p. m., President's Reception.

The president's reception will be held in the Convention Hall at Grand Central Palace. President Kerr wishes it distinctly understood that the reception will be informal and that



E. G. HILL
Member of Executive Board and President
Hort. Association of America



GEO. E. M. STUMPP
Member of Executive Board and President
New York Florists' Club



A. FABENWALD
Member of Executive Board and President
Florists' Club of Philadelphia



W. F. GUDE

Washington Representative and Chairman
Committee on Tariff and Legislation



DANIEL MACRORIE

Ex-President Society of American Florists



GEORGE ASMUS

Chairman National Flower Show Committee

the most comfortable clothing will be the most appropriate.

Amendments to Constitution and By-Laws to be voted upon:

To amend Article II, Section 2 (a)

"Sec. 2. Elections and Appointments—
"(a) The president, first vice-president, secretary and treasurer shall be elected by ballot at the annual meeting of the Society, and their term of office shall begin with the first day of January next succeeding the election."

by striking out the word "secretary"; and by adding: "The secretary shall be elected by the directors at the annual mid-Lent meeting and shall serve for one year. (If amendment is approved, the secretary elected at the next mid-Lent meeting of the Board of Directors shall assume office January 1, 1919).

To amend Article III (b)

"GOVERNMENT, EXECUTIVE BOARD

"Between the sessions of the Society its government shall be vested in an executive

board consisting of the president, junior ex-president, first vice-president, secretary, treasurer and the board of directors. A regular meeting of the board shall be held each year about mid-Lent, at the call of the secretary, upon such date as the president may direct, etc."

by striking out the word "secretary" in the third line, after "vice-president" and before "treasurer."

Balloting for Meeting Place for 1919.

Polls open from 8.30 p. m. to 9.30 p. m.

Second Day—Wednesday, August 22

MORNING SESSION.

10.30 a. m., Nominations of Officers for 1918; Report of Committee on President's Address; Report of Committee on Storm Damage Insurance. By A. Rassmussen, Chairman; E. G. Hill, J. F. Ammann, Special Committee.

AFTERNOON SESSION.

2.00 p. m., Report of Committee on Publicity, by W. F. Therkildson, Chairman. Discussion.

3.30 p. m., "The Florists' Business in Its Relation to War Times," a discussion on this important subject will be opened by Robert Craig, Philadelphia.

Judging Exhibits Convention Garden.

Third Day—Thursday, August 23

MORNING SESSION.

10.00 a. m., Election of Officers for 1918.

Polls open 10.00 a. m. to 11.00 a. m. or until all in line have voted.

Voting will be done under the new system. There will be four voting places, "A" to "D" inclusive—"E" to "K" inclusive—"L" to "R" inclusive—"S" to "Z" inclusive. Please vote promptly.



PROF. E. A. WHITE

Chairman Committee on Nomenclature



BENJAMIN HAMMOND

Chairman Committee on School Gardens



A. RASSMUSSEN

Chairman Committee on Storm Damage Insurance



PATRICK WELCH
Chairman Committee on National Credit
and Collections Bureau



W. F. THERKILDSON
Chairman Committee on Publicity



JOHN DUNBAR
Botanist, Society of American Florists

Question Box. Deferred business.

Report of Judges of Trade Exhibition.

Report of Judges of Convention Garden.

AFTERNOON SESSION.

2.00 p. m., Report of Committee on National Credits and Collections Bureau. By Patrick Welch, chairman; Discussion.

3.30 p. m., Report of Committee on Convention Garden. By Theodore Wirth, Chairman.

4.00 p. m., Report of National Flower Show Committee. By George Asmus, Chairman. Discussion.

SPECIAL MEETINGS

First Day—Tuesday, August 21
FLORISTS' TELEGRAPH DELIVERY
In Convention Hall, Grand Central Palace.

9.30 a. m., Meeting of the Florists' Telegraph Delivery Association.

AMERICAN CARNATION SOCIETY
Second Day—Wednesday, August 22

9.00 a. m., Meeting of the Board of Directors of the American Carnation Society in Convention Hall.

4.30 p. m., Meeting of the American Carnation Society, Convention Hall. All visitors invited to attend.

AMERICAN ROSE SOCIETY

Third Day—Thursday, August 23

11.00 a. m., Meeting of the American Rose Society, Convention Hall. All visitors invited to attend.

LADIES SOCIETY OF AMERICAN FLORISTS

First Day—Tuesday, August 21

The Headquarters of Secretary Mrs. Charles H. Maynard will be located near S. A. F. Secretary Young's office in the Grand Central Palace, and will be open from 10.30 a. m. until 4.00



O. J. OLSON
Chairman Committee on Mothers' Day



THEODORE WIRTH
Chairman Committee on Convention Garden



CHARLES W. KNIGHT
Chairman of the Exhibition Committee,
New York Florists' Club.

p.m. for the purpose of registration and payment of dues.

Second Day—Wednesday, August 22
10.00 a. m., Annual meeting of the Society.

Third Day—Thursday, August 23
10.00 a. m., An adjourned meeting of the Society will be held.

AMERICAN ROSE SOCIETY.

There will be a meeting of the American Rose Society at Convention Hall on Thursday, August 23rd, 1917, at 11.00 o'clock in the morning, following the morning session of the Society of American Florists, in the Grand Central Palace, 46th street and Lexington avenue, New York City. We hope to have a large attendance.

BENJAMIN HAMMOND, President.

RECEPTION COMMITTEE.

Would ask visiting members of the S. A. F. & O. H. and chairmen of the different transportation committees to notify me immediately as to route of travel and time of arrival in New York.

P. B. RIGBY,

Chairman, Reception Committee.
117 West 28th St., New York.

Chairman Patrick Welch of the Committee on National Credits and Collections Bureau, announces a meeting of that committee at the Hotel Biltmore, Monday, August 20th, at 8 P. M. All S. A. F. members welcome.

Chairman W. F. Therkildson of the Committee on Publicity announces a meeting of that committee in the Grand Central Palace, Wednesday, August 22nd, at 9 A. M.

JOHN YOUNG, Sec.

The Secretary's Office is in Convention Hall to the left of the main entrance to Grand Central Palace. Members should register upon arrival at the Hall.

A Bureau of Information continually maintained, will be found adjoining the Secretary's office.

ADVANCE LIST OF TRADE EXHIBITORS.

At the time of going to press the following firms have taken space in the Trade Exhibition and in Convention Garden:

In the Trade Exhibition.

John G. Scheepers, Inc., New York City; George L. Stillman, Westerly, R. I.; B. Hammond Tracy, Wenham, Mass.; John Lewis Childs, Flowerfield, N. Y.; Reed & Keller, New York City; J. C. Moninger Co., Chicago-New York; Jackson & Perkins Co., Newark, N. Y.; American Greenhouse Co., Chicago, Ill.; Russin & Hanfling, New York City; John A. Evans Co., Richmond, Ind.; Lord & Burnham Co., New York City; Hitchings & Co., Elizabeth, N. J.; Henry A. Dreer, Inc., Philadelphia, Pa.; H. Bayersdorfer & Co., Philadelphia, Pa.; Wertheimer Bros., New York City; Kroeschell Bros. Co., Chicago, Ill.; A. L. Randall Co., Chicago, Ill.; King Construction Co., N. Tonawanda, N. Y.; The M. Rice Company, Philadelphia, Pa.; H. F. Michell Company, Philadelphia, Pa.;



MISS PERLE B. FULMER

President Ladies' Society of American Florists

S. S. Pennock Co., Philadelphia, Pa.; Jos. G. Neidinger Co., Philadelphia, Pa.; Robert Craig Company, Philadelphia, Pa.; A. N. Pierson, Inc., Cromwell, Conn.; Expanded Wood Company, Evansville, Ind.; The Lion Company, New York City; Jos. Heacock Co., Wyncote, Pa.; Chicago Feed and Fertilizer Co., Chicago, Ill.; J. C.

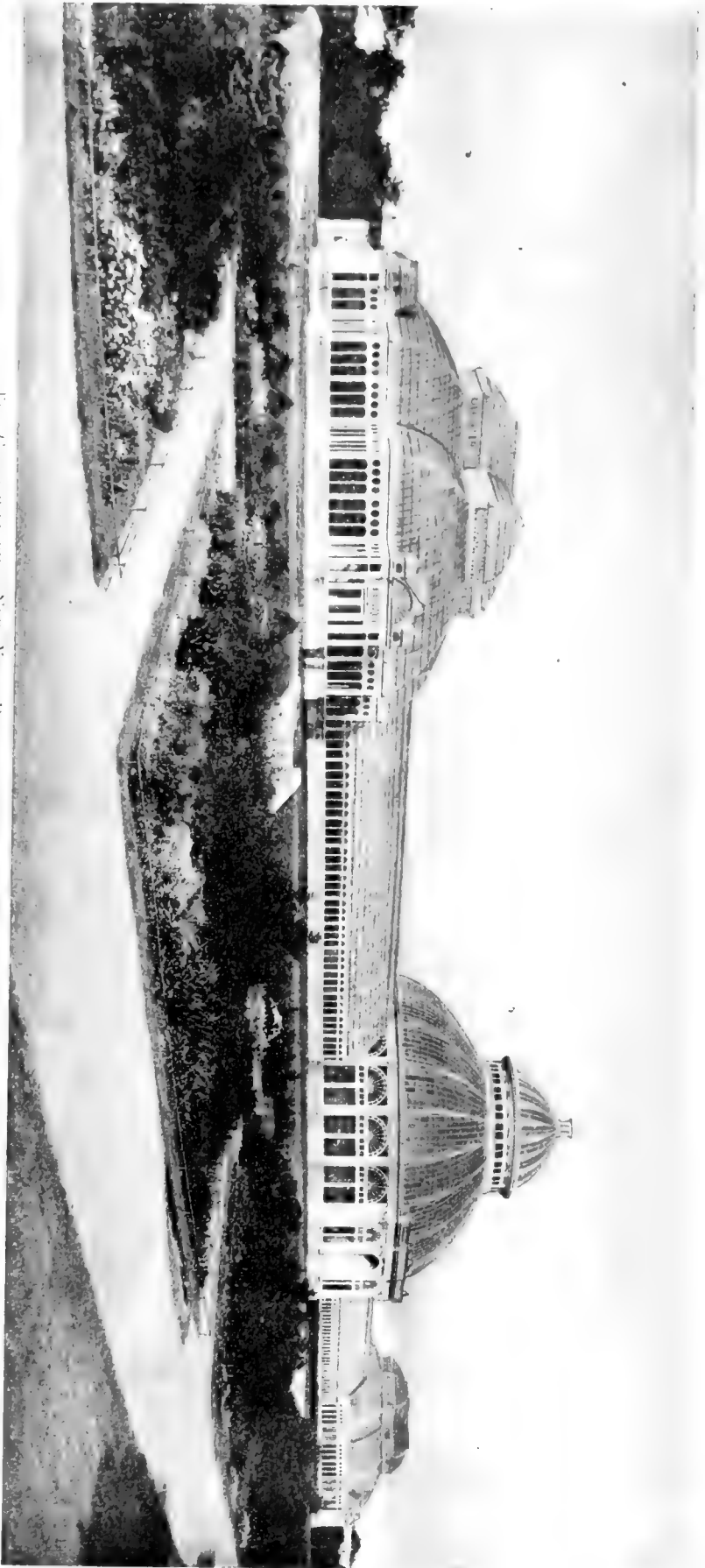
Kraus, New York City; Mead-Suydam Company, Newark, N. J.; Roman J. Irwin, New York City; Foley Manufacturing Co., Chicago, Ill.; C. E. Falls Service Co., Kansas City, Mo.; The Florists' Exchange, New York City; The General Rubber Goods Co., Cleveland, O.; John H. Fiesser, No. Bergen, N. J.; L. W. Kervan, New York; Vaughan's Seed Store, New York-Chicago; Fritz Dressel, Weehawken, N. J.; Nitrate Agencies Co., New York; Aphine Mfg. Co., Madison, N. J.; Wm. Hunt & Co., New York; F. R. Pierson, Tarrytown, N. Y.; J. A. Peterson, Cincinnati, O.; Lager & Hurrell, Summit, N. J.; Quaker City Rubber Co., Phila.; Bobbink & Atkins, Rutherford, N. J.; Julius Roehrs Co., Rutherford, N. J.; Schloss Bros., New York; Novelty Studio, New York.

In the Convention Garden.

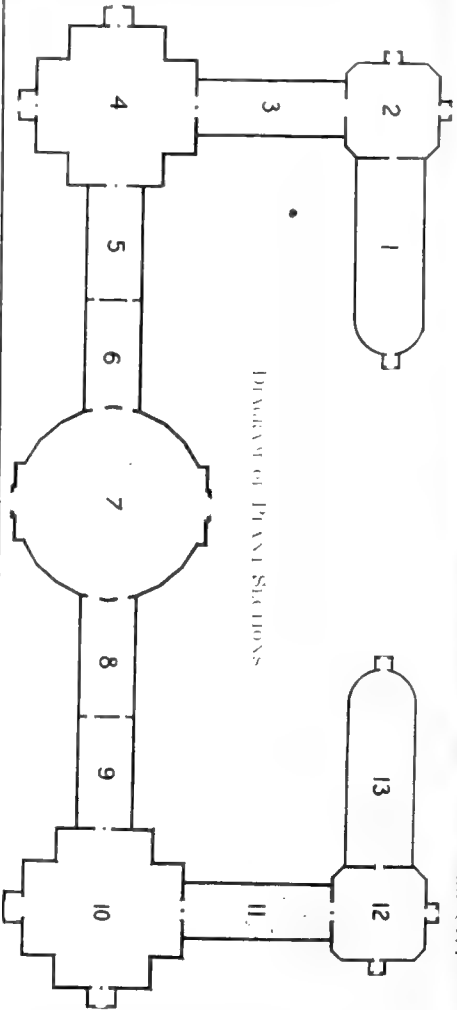
Vaughan's Seed Store, New York-Chicago; W. A. Manda, Inc., South Orange, N. J.; Bobbink & Atkins, Rutherford, N. J.; A. N. Pierson, Inc., Cromwell, Conn.; Conard & Jones Co., West Grove, Pa.; Henry A. Dreer, Inc., Philadelphia, Pa.; John Lewis Childs, Flowerfield, L. I.; Arthur T. Boddington, Inc., New York City; Arthur Cowee, Berlin, N. Y.; B. Hammond Tracy, Wenham, Mass.; William Tricker, Arlington, N. J.; Thomas Mechan's Sons, Philadelphia, Pa.; A. L. Miller, Jamaica, N. Y.; R. Vincent Jr. & Sons Co., White Marsh, Md.; Raymond W. Swett, Saxonville, Mass.; Isaac Hicks and Sons, Westbury, L. I. N. Y.; Am. Bulb Co., Chicago Ill.



MRS. CHARLES H. MAYNARD
Secretary Ladies' Society of American Florists.



LONGWOOD GARDENS, NEW YORK BOTANICAL GARDENS, BRONX PARK, NEW YORK CITY



This building has been designed in the most horticultural structure in the world. Conventionalists who have never visited it should not go home until they have done so. It should be borne in mind that a botanical garden is educational primarily and is a place of accurate information. The central labelling is a most important function of the building. This beautiful building was designed by Lord A. Penrhyn & Co., under the direction of W. R. Cobb. The building was erected by Hinchey & Co., under their direction as supervising architects.

Following is a key to the contents of the different sections as indicated by figures:

1. Aquatics, Sugar Cane, Bamboo and different grasses and Egyptian paper plants; Arum and Philodendron families; 2. Bananas, Pineapple, Cane, Traveller's Tree and Arum plants; 3. Orchids, Ficus and Stone plants; 4. and 5. Cacti; 6. Tree, Pandanus, Palms, Aroids, etc.; 7. Palms, Bougainvillea, Begonia, Heliconia, Stove plants, Callistemon, etc.; 8. Olive family; 9. Palms and Ferns and family; 10. and 11. Amygdalus, Maran, etc.; 12. Lily, Primrose, Anemone and Arum, Nettle, Ginseng, Meadow Sweet, etc.; 13. Spurge, Lily, Orchid and Thistle families; 14. and 15. Cactus and Spurge families.

GLADIOLUS AND PHLOX EXHIBITION IN BOSTON.

The Gladiolus and Phlox Exhibition of the Massachusetts Horticultural Society was held in Horticultural Hall on Saturday and Sunday, August 11 and 12. There was a fine display of gladioli, although a number of the growers represented in past years were unable to show, their crop not yet being ready. The great overwhelming treat was the display by Charles F. Fairbanks, president of the American Gladiolus Society. His collection of *Primulinus* hybrids, comprising some thirty-five or forty varieties was really wonderful. Another exhibit worthy of the highest praise was that of the Boston Cut Flower Company who showed baskets and vases of gladioli, the arrangement of which was very novel and artistic and much above the ordinary. Miss Fannie Foster staked a group of seedlings, about forty, all of high quality, but two of superlative grade—No. 188, a soft lemon yellow, practically solid color, and No. 62 a rose pink, a good sized flower well placed on the spike. Kunderd's Lily-white made a very favorable impression, being a good spike and flower on the order of White Lady and showing much commercial promise. Austin-Coleman Co., of Wayland, Ohio, showed Herada in fine form. This is a *Nanceanus* of a pleasing lilac shade, good spike and evidently a strong grower.

The phloxes did not come up to previous performances. One of the best of the novelties was George N. Smith's "Wellesley," a pink of unusually pure color. He had other seedlings of good quality, too. Jennison's white phlox Leona was certificated here two years ago. It is as good today as it was then.

The vegetable and fruit section was only ordinary in quality. One sensational item was a pole bean of Sutton origin, bearing an enormous pod and equally valuable as a "snap" or a "shell" bean. The plant and flower awards follow:

Annuals—General display: 1st, Mrs. J. L. Gardner. Gladioli—Twelve named varieties: 1st, C. F. Fairbanks; 2nd, Jelle Roos. Six spikes, crimson, one variety: 1st, H. E. Meader, Black Beauty; 2nd, Jelle

Warning to Lily Growers

FORMOSUMS are about 50% Short and will be delivered Later than usual. To take their place we suggest cold storage GIGANTEUMS and MELPOMENES.

Write Us for Prices Stating Number of Cases
and Size of Bulbs required

Plant NOW for Christmas and the Holidays

GIGANTEUM (cold storage)

7-9 packed 300 to a case 8-10 packed 225 to a case
9-10 packed 200 to a case

MELPOMENE MAGNIFICUM (cold storage)

8-9 packed 200 to a case

Talk this over at the Convention with our Representatives, MR. DERNISON and MR. DEAN.

Arthur T. Boddington Co., Inc.

128 Chambers Street

NEW YORK CITY

Roos, Goliath. Six pink: 1st, H. E. Meader, Myrtle; 2nd, S. E. Spencer, Mrs. Frank Pendleton. Six, red: 1st, Jelle Roos, Aleida; 2nd, H. E. Meader, Jessie. Six, white: 1st, C. F. Fairbanks, Jessie Palmer; 2nd, Jelle Roos, Chicago White. Six, yellow: 1st, C. F. Fairbanks, Ida; 2nd, Jelle Roos, Annie Wigman. Six, any other color: 1st, C. F. Fairbanks, Loveliness; 2nd, Jelle Roos, Herada. Six *Primulinus* hybrid: 1st, Julia M. Fairbanks; 2nd, Clark W. Brown. Ten spikes, ten varieties: 1st, Mrs. Percy O. Forbes.

Special Prizes offered by Charles F. Fairbanks. Seedling gladiolus, one spike: 1st, Miss Fanny Foster, No. 188; 2nd, Miss Fanny Foster, No. 62. Collection of fifty varieties: 1st, C. F. Fairbanks; 2nd, Jelle Roos. Most artistic display covering 200 sq. ft.: 2nd, C. W. Brown & Son. Most artistically arranged basket: 1st, Boston Cut Flower Co.

Perennial phloxes—Twelve varieties: 1st, T. C. Thurlow's Sons, Inc. Twelve named

varieties, commercial growers excluded: 1st, Oliver Ames. Six trusses, one variety: 1st, T. C. Thurlow's Sons, Inc., Maid Marion.

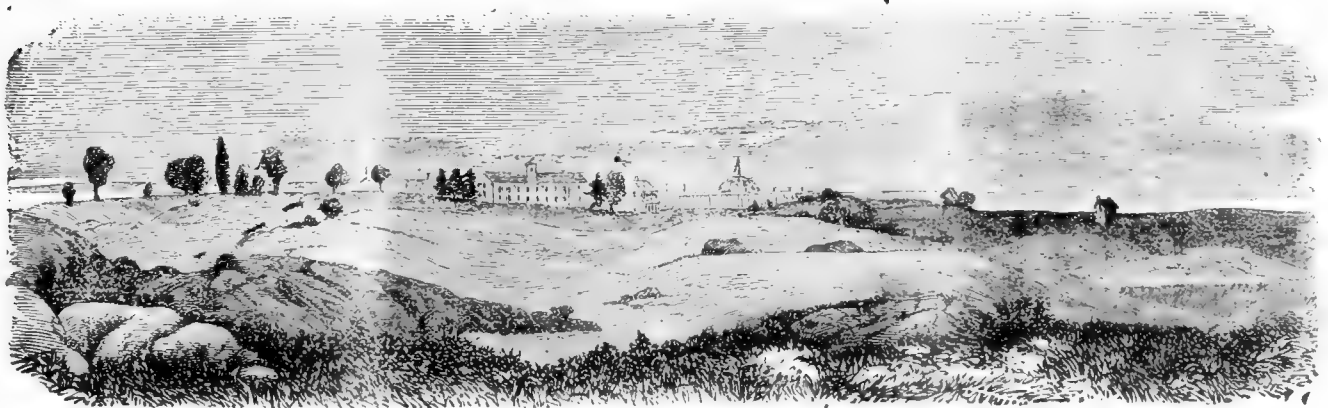
Gratuities: Jelle Roos, collection of Gladioli; C. F. Fairbanks, collection of Gladioli; H. E. Meader, Gladiolus Myrtle; Riverbank Gardens, Gladioli; T. C. Thurlow's Sons, Inc., collection of Phlox; G. N. Smith, Seedling Phlox; Betty Millet, Annuals and Hollyhocks.

Silver Medal: C. F. Fairbanks, display of Gladioli; Boston Cut Flower Co., Artistic Arrangements of Gladioli in baskets and vases.

First Class Certificate of Merit: A. E. Kunderd, Seedling White Gladiolus "Lily-white."

Honorable Mention: Miss Fanny Foster, Seedling Gladioli; G. N. Smith, Seedling Phlox "Wellesley."

Vote of Thanks: Jennison's Floral Gardens, Phlox "Leona;" Boston Cut Flower Co., six baskets of Gladioli.



CENTRAL PARK, NEW YORK, AS IT WAS IN 1859.
From an engraving published in *The Horticulturist*, Vol. XIV, March, 1859.

S. A. F.

S. A. F.

M. Van Waveren & Sons

BRANCH OFFICE, Ltd.

26 Cortlandt St., . . New York

EXTENDS GREETINGS

S. A. F.

S. A. F.

NEW NURSERY LICENSE LAW IN PENNA.

A Harrisburg special of July 31 says: Plans to put into effect the new State license law for the nurserymen and persons selling trees and shrubbery have been worked out, and the Act will become operative within the next month. It is estimated that the new Act will affect scores of nurserymen all over the State, many of whom are located in Philadelphia or its immediate vicinity and will greatly stiffen up the inspection of tree shrubbery and similar stock from Holland and other countries. The preliminary inspections are now being made by nursery establishments in eastern countries, so that the State Depart-



New Gloriously Red Pepper "Christmas Joy"

(Hybrid of large Xmas Pepper and Bird's Eye)

With its lasting qualities and fruit extending above foliage it is far superior to the parent varieties. An excellent substitute for the scarce Ardisia. 2¼-inch, \$7.00 per 100; 3½-inch, \$10.00 per 100.

Ready for immediate delivery; orders filled in rotation.

A. L. MILLER
JAMAICA, N. Y.

Special Number NEXT WEEK

Full Story of the New York
Convention Proceedings

They Will All Read It
AND

They Will Read It All

ADVERTISERS

Get Copy in by Tuesday,
Please

ment of Agriculture, which is charged with the enforcement of the law, will have complete information as to number and location. Under terms of the law all persons selling trees will be required to take out a State license.

TO NEW ENGLAND FLORISTS.

On to New York

S. A. F. Convention on August 21-22-23.

Do not delay making reservations on boat or train. It is expected that a large party will go from Boston and you should be one of them.

Meetings will be interesting and there is enough going on in New York to give you all the entertainment that you wish. Forget business and the coal question for a few days and enjoy yourself. Get acquainted with the "live wires" of the business; it may mean money and more business for you.

The Trade Exhibit at the Grand Central Palace, Lexington Ave., and 46th street will more than pay you for going. Read the Trade Papers for list of Hotels and programme.

Go yourself and take your friends with you.

E. ALLAN PEIRCE,
State Vice-President, Mass. East.

Primula Malacoides Rosea

THE PINK BABY

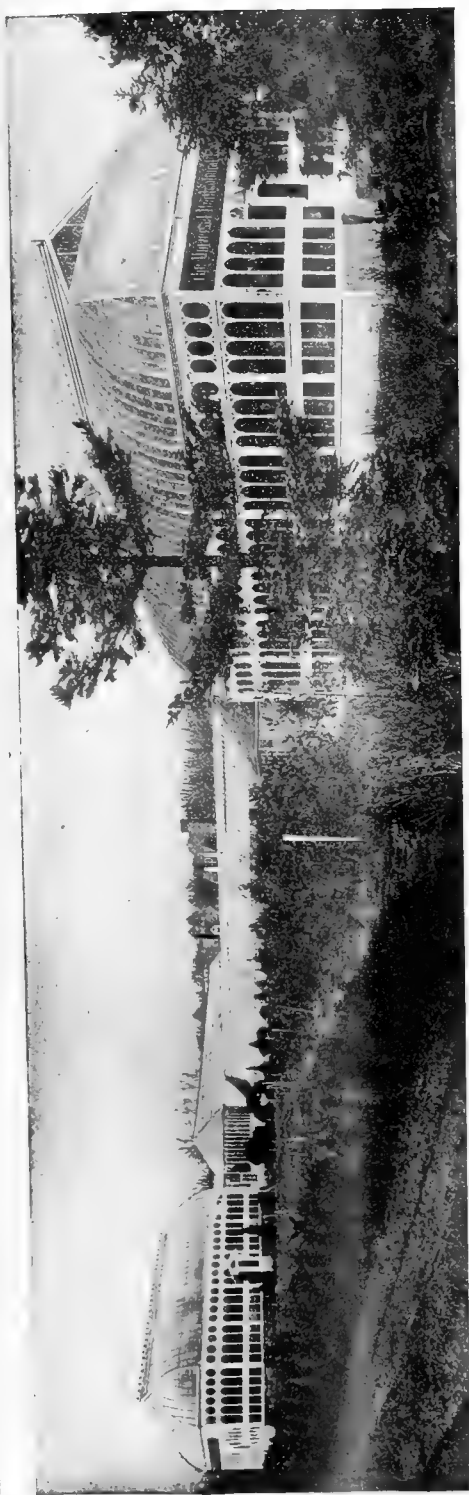
Silver Medal at National
Show, Philadelphia, 1916.
First Class Certificate, Boston,
also Cincinnati, Indianapolis,
Etc.

READY NOW

\$3.00 per 100 \$25.00 per 1000

Fred H. Lemon & CO.

RICHMOND, INDIANA



View of Greenhouse Range of W. A. Manda at South Orange, N. J.

VISITORS to the New York Convention of the Society of American Florists would do well to make the most of the time at their disposal for pleasure as well as business. There are a number of large places in the vicinity of New York that are growing specialties in large quantities. Some are devoted exclusively to Roses or Carnations on the New York or New Jersey side of the Metropolis. Most of these places are well-known and will no doubt be visited by those who are interested in these special classes.

There is one place that should not be omitted, which while not making a great pretence by either advertising or catalog distribution, would benefit the average florist visitor more than any other one place in the country. Here a collection of plants is grown that cannot be duplicated in any one commercial establishment. This place is the Universal Horticultural Establishment, at South Orange, New Jersey, which was established by the veteran W. A. Manda, after he had built the world-famed firm of Pitcher & Manda at Short Hills, and severed his connection there so as to be able to follow, unrestricted, his love for growing, experimenting with, raising and distributing the less-known or new plants. In this establishment you will find Palms, Ferns, Orchids, Stove and Greenhouse plants and Foliage and Flowering Plants of every description from regular commercial size plants to large exhibition specimens that have achieved their fame not only at the Horticultural Exhibitions in America but also in Europe. The grounds are admirably suited for the business such as is conducted here. A nice cooling brook runs through the middle of the property with an island that has been transformed into a Tropical Forest, as well as a quantity of Hardy Herbaceous Plants and a unique collection of Boxwoods and Evergreens. In fact, everything from the English Nettle up is to be found here.

Mr. Manda is well-known to the horticultural public and to the Florists' Fraternity, as well as for his hospitality. There are various water wells on the premises, some producing soft water and others hard water and *no visitor need leave South Orange either hungry or thirsty.*

The place is accessible from New York City via the Hudson Tube to Hoboken and then from Hoboken to South Orange on the D. L. & W. railroad where the nurseries are close to the station.

..

THE LILACS

The Lilac of old gardens with its purple or white fragrant flowers, hardy, long-lived, easily increased by shoots from the roots, resistant to all sorts of climate, known to every boy and girl brought up in the country, is in New England what "The May" (*Crataegus*) is in Old England, the best loved of all shrubs. It is loved but not respected. No one hesitates to break down a Lilac-bush for the flowers. Without the protection of special policemen the Arboretum Lilacs would be exterminated in a day. It is impossible to protect Lilac flowers in public parks and city squares, and every year city hawkers in search of them extend their depredations further into the suburbs; and in Lilac season automobiles loaded with stolen mutilated Lilac branches covered with wilted flowers are common objects along all the roads leading into Boston.

The first Lilac to get a place in European garden was the plant which only slightly modified is still to be found growing in the neighborhood of many old New England farm-houses. This plant, (*Syringa vulgaris*) reached western Europe in 1597 by the way of Constantinople and Vienna. It was long believed to have come originally from Persia and it is only in comparatively recent years that it has been known that this Lilac was a native of the mountain forests of Bulgaria. Plants raised at the Arboretum from seeds of the wild Bulgarian plants are growing with the other Lilacs in the collection, and it is interesting to compare the flowers of the wild type with those which cultivators have produced in the last half century. Another Lilac, the so-called Persian Lilac (*Syringa persica*), a native of the region from the Caucasus to Afghanistan, was known in England as early as 1658. This is a smaller plant than the common Lilac, with slender stems, narrower leaves, and smaller but very fragrant flowers. The flowers are pale lilac color but there is a form with nearly white flowers, and one on which the leaves are deeply divided (var. *laciniata*). The Persian Lilac blooms usually ten days later than the common Lilac and is a beautiful garden plant, but is probably less often cultivated than it was a century ago. It is of particular interest, however, as one of the parents of the first hybrid Lilac, the other being *Syringa vulgaris*. This hybrid appeared in the Botanic Garden at Rouen, France, early

in the nineteenth century and through a mistaken idea of its origin was named *Syringa chinensis*. It is sometimes called *Syringa rothomagensis*. This hybrid is one of the most valuable of all Lilacs. It grows quickly to a large size; it is very hardy and blooms freely every year. In shape the leaves resemble those of the Persian Lilac but are broader; the flowers, too, recall those of the Persian Lilac, but they are larger and are produced in long massive clusters sometimes nearly two feet in length, and so heavy that the slender branches do not well support them. The flowers are reddish purple but there are forms with darker red flowers and with nearly white flowers.

In a recent issue of *The Garden Magazine*, Mr. Theodore A. Havemeyer describes the development of the modern Lilacs, which, according to him, date from 1843, no mention in his paper being made of *Syringa chinensis*. In 1843 a nurseryman at Liege, in Belgium, produced a Lilac with small double flowers. Nothing is said of its parentage, but as it was called *Syringa vulgaris flore pleno Liberti*, and later *Syringa vulgaris azurea plena*, it was probably a seedling of the common Lilac and not a hybrid. This plant is not in the Arboretum collection, and if it is known to any reader of this Bulletin the Arboretum will be glad to hear from him, for although it probably has little to recommend it as an ornamental plant this Lilac has historical interest and for that reason should find a place in the Arboretum collection. It was this plant that Lemoine, the French hybridizer, selected as the seed-bearing parent in his first attempt to improve the garden Lilacs, fertilizing the flowers with pollen of the handsomest varieties of the common Lilac of that day and of a Chinese species, *Syringa oblata*, which had been found by Fortune in a Shanghai garden and sent by him to England nearly sixty years ago. This Chinese Lilac is distinguished from all other Lilacs by the broad, thick, lustrous leaves which turn deep wine color in the autumn. The flowers are light lilac color, exceptionally fragrant, and are borne in short, compact clusters. This is one of the earliest Lilacs to bloom here, but unfortunately the flower-buds are often injured or destroyed by late frosts. For this reason, although the flowers are not surpassed in color and fragrance by those of many Lilacs, this plant cannot be recommended for general cultivation in this part of the country.

The crossing of *Syringa oblata* and *S. vulgaris azurea plena* produced a plant which has been called *Syringa hyacinthiflora*. This is a vigorous shapely shrub with leaves the shape of those of its Chinese parent, which turns reddish in autumn but without the brilliant colors of the Chinese plant. The flowers are small and double, in small clusters, bluish lilac and as fragrant as those of *S. oblata*.

This plant is interesting as the second of the four species-hybrids of Lilacs which are now known, and valuable for its very early fragrant flowers. It has probably played, too, an important part in the improvement of the double-flowered forms of the common Lilac which have been produced in recent years by Lemoine and other European nurserymen. *Syringa hyacinthiflora* is not often found in American gardens, but it is well established in the Arboretum collection.

By fertilizing the flowers of *Syringa vulgaris azurea plena* with the varieties of the common Lilac Lemoine produced the first important double-flowered Lilacs, *S. Lemoinei* and others, and by again crossing these with improved forms of the common Lilac the double-flowered Lilacs of recent years have been made. By the crossing of varieties and by careful selection the flowers of the common Lilac have been gradually changed in size and in color in the last thirty years, but unfortunately the flowers of some modern Lilacs have lost a good deal of the fragrance of the old-fashioned Lilac, which, once enjoyed, is never forgotten. There are too many varieties of the common Lilac now cultivated. Some of them with different names given to seedlings in different nurseries and often in different countries are identical, and others are so much alike that they can only be distinguished by close comparison. There are more than two hundred of these named varieties of *Syringa vulgaris* now in cultivation. It is important to cultivate them all in the Arboretum for study and comparison, but in a private garden everything that is best in the forms of *Syringa vulgaris* can be found in not over a dozen of the single-flowered and a dozen of the double-flowered forms. The Arboretum does not undertake to name the twenty-four best varieties. The selection must be left to the person who is going to plant them, for no two persons agree about Lilac flowers. There are between one hundred and sixty and one hundred and seventy named varieties of this Lilac in the Arboretum collection.


In planting Lilacs it must be remembered that plants on their own roots are superior to those which have been grafted on other varieties of the common Lilac, for Lilacs produce many root-suckers. These often grow vigorously, so that a person who buys a fine named variety may in a few years find that the suckers from the root on which it was grafted have overpowered and killed his named variety, or that he has a bush producing on different branches flowers of his original purchase and of the stock. Nurserymen also use the Privet as a stock on which to graft Lilacs. But Lilacs should never be grafted. Although they can be propagated in winter by cuttings of hard wood, the best way is to make soft wood cuttings in late June or early July. American nurserymen rarely adopt this method for it takes a little longer to produce saleable plants than it does by grafting, but the plants on their own roots are so much more valuable than grafted plants that no one should ever buy a grafted Lilac.

—Arnold Arboretum Bulletin.

SPECIAL NOTICE

Our representatives are now calling on the flower trade with a superb line of Fancy Baskets in all shapes and sizes made especially to our order and representing the latest color ideas and most up-to-date patterns. Also the same in Exclusive Ribbons and other florists' supplies. This is a good time to make your arrangements for the new season now approaching. Drop us a line and our representative will call.



 Those attending the Convention at New York are cordially invited to inspect our Exhibit there and get an idea of the line of goods we handle



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Key to Identification of Plants This is a device to enable one to find the name of a plant. The name thus found is quickly referred to under its alphabetical location, where full information will be found in regard to it.

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Illustrations There are 24 colored plates; 96 full page halftones; and more than 4,000 engravings which serve as guides in the text.

The Glossary This is an analysis of all technical terms that are used in the work and in similar works. It comprises botanical and horticultural terms with brief definitions.

Translation and Pronunciation of Latin Names In Volume I is inserted a list of between 2,000 and 3,000 Latin words used as species—names of plants, giving the English equivalent or translation and the pronunciation.

Class Articles Special effort has been made to secure the best cultural advices for the plants requiring peculiar or particular handling. Here are some of the titles of these articles: Ants; Autumn Gardening; Bedding; Diseases; Drainage; Floral Designs; Formal Gardening; Hotbeds and Coldframes; Insects; Landscape Gardening; Lawn Planting; Orchards; Rock Gardening; Subtropical Gardening; Tools and Implements; Village Improvements; Window Boxes, etc.

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All Florists going to or from the Convention are Invited to Visit

POEHLMANN BROS. CO'S GREENHOUSES

THE LARGEST AND MOST UP-TO-DATE GREENHOUSE ESTABLISHMENT IN AMERICA



The above cut shows in the foreground our **PLANT DEPARTMENT**, which is five years old, and consists of 150,000 square feet of glass. This is devoted to **POT PLANTS**, such as **Palms, Ferns, Pandanus, Dracaenas**, and other **Decorative Stock**, as well as all the **Blooming Plants for Christmas and Easter**. We ship Plants and Cut Flowers all the year round.

Take Chicago, Milwaukee & St. Paul Railway from Union Depot, Chicago, 14 miles northwest to Morton Grove, Ill.

CHICAGO NOTES

Wm. Dilger of the Dilger Landscape & Nursery Co., Detroit, Mich., has completed the beautifying of the grounds of Julius Schwill, 357 Fullerton Parkway.

Mr. and Mrs. H. C. Wullbrandt are on a visit to their old home at Exeter, Neb. Their place here is known as The Globe Greenhouses, 53rd and Madison streets.

Earl Poehlmann, son of August Poehlmann, motoring to the Pacific coast was passing through North Dakota when last heard from. He was well and enjoying the trip.

The second preliminary schedule of the fifth National Flower Show, to be held at St. Louis, Mo., April 6th to 15th, is being distributed here by Allie Zech, secretary of the Chicago

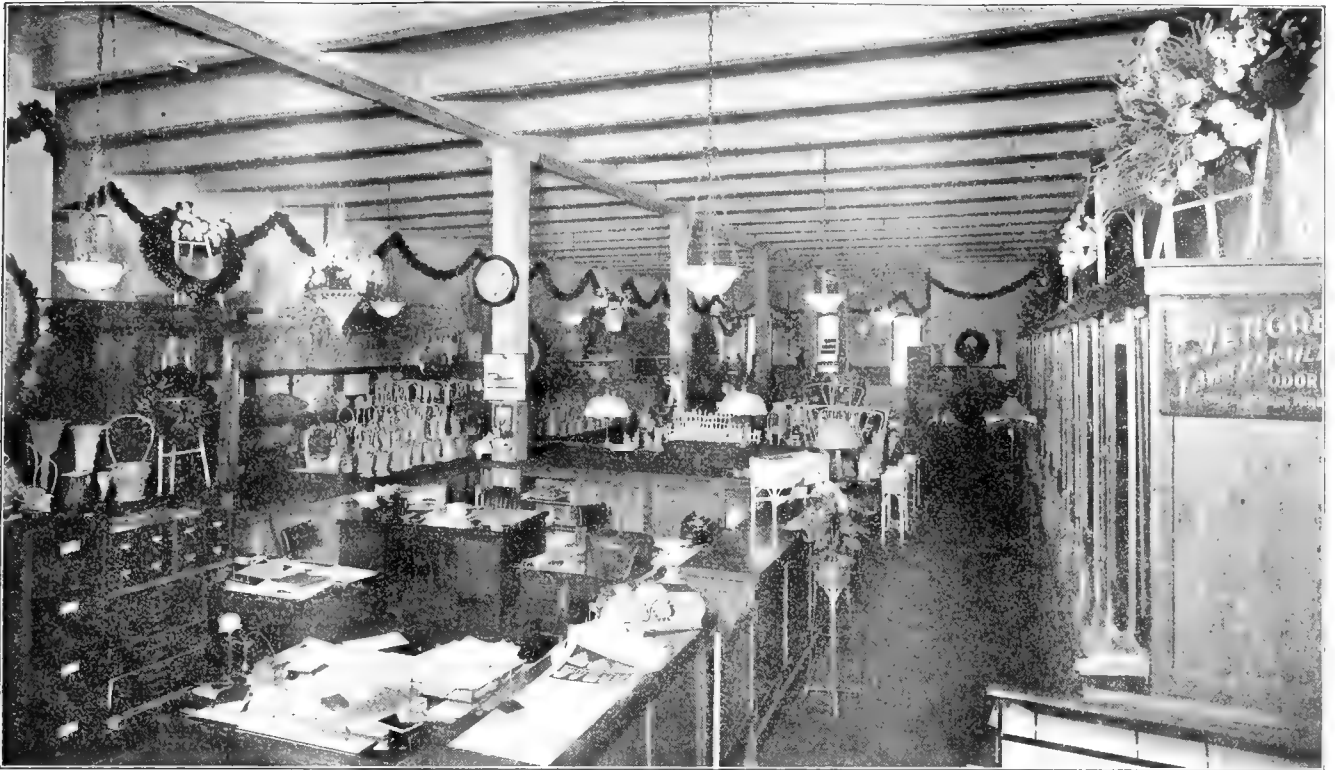
Florists Club. Call at Zech & Mann's for one if interested.

A. Miller, president of the American Bulb Company, will be at the convention and says he will be glad to meet old and new customers. A. L. Koehler, secretary and treasurer, with Mrs. Koehler, have just returned from a three weeks' vacation in the mountains of Colorado. Robert Newcomb, third member of the firm, traveling salesman, is one of the best known men in his line. He will also be in New York next week, to add convincing impressiveness to the firm's slogan, "Watch Us Grow."

One of the most useful as well as most expensive souvenirs to be distributed at the Convention is a Florist's Note Book, presented by the Chicago Feed and Fertilizer Co. It was de-

signed by H. E. Humiston, sales manager of the company. The book is 8½ x 11½ inches and arranged so as to enable the grower to keep an accurate account of plants grown, flowers cut and fertilizer used in any bench or greenhouse. Those who secure one of these will be fortunate and those who not only secure but use them will know whether their business is showing a balance on the right side or not.

Every florist, especially those interested in plants, who passes through Chicago, should see the houses of Frank Oechslin, who makes a specialty of growing plants for the retail florist. While Mr. Oechslin finds market for most of his stock in Chicago and caters little to the shipping trade, he has always many things worth seeing. Just at this time the pandanuses, dracaenas, Boston and Whitmani ferns and small table ferns are special features. Cyclamen, poinsettias and begonias are now being grown on for the Christmas trade, and there are many other things well worth inspection.



A View of Poehlmann Bros. Supply Department

Adjoining the cut flower salesroom in their city store

66-74 East Randolph Street

Every year the retail florist who would be successful must add the newest novelties to his stock.

We make it a point to carry everything that the trade demands.

More than that we manufacture baskets, wire designs and novelties, and prepare magnolias, cycas and oak leaves in our own factories, so you are assured of getting practical things that your customers will want.

Visitors Are Always Welcome

POELHMANN BROS. CO. 66-74 East Randolph St.
CHICAGO

The Foley Mfg. Co. furnished the material for the new 300-foot house just being completed for Frank Oechslein, at his Harlem avenue place. Many of the largest vegetable forces of the country are now using Foley's houses and this branch has developed fast in recent years. Foley has also erected conservatories for four universities in nearby states recently. James P. Foley, eldest son of President Philip J. Foley, is secretary and Philip, Jr., is also connected with the business. Since the company was re-organized, a new factory has been completed and modern machinery installed. Philip J. Foley will probably be at the New York Convention.

A. A. Arnold, president of the A. A. Arnold Paper Box Company, is spending two weeks in the East, enjoying some of the good fishing to be found there. His son C. B. Arnold, secretary and manager of the business, says there is a great demand for the mist-gray flower boxes, the delicate neutral shade being particularly

attractive with the bright colored flowers. The manufacture of paper boxes was begun by A. A. Arnold twenty-five years ago and the business has steadily grown, until now they have a fine new building, with four stories and basement and are still growing. Mr. Arnold has seen the paper flower box change from a florists' luxury to a positive necessity in the modern retail store.

The J. A. Budlong Co.'s customers are supplied by the product of the J. A. Budlong Co., the L. A. Budlong Co. and their several consignors, totaling over 2,000,000 sq. ft. of glass area. The name Budlong goes back to the earliest days of Chicago when two of the four brothers left the East and bought land just north of the then Indian trading post, Chicago. The business has grown with that of the city and while the originators have long since passed away, capable hands have strengthened and guided it till it has become one of the largest shipping houses in Chicago. In 1904 Philip

Schupp, son-in-law of J. A. Budlong, took active charge of the wholesale store and to him is due the successful management of the sales department. His son, Roswell Schupp, is one of the rising young men in the business, and is actively engaged with his father.

The J. C. Moninger Co., which is the pioneer greenhouse manufacturing company in Chicago, was founded by the man whose name it bears when those now in the business were in their cradles, but the policy of the company has never changed and the original ideal and aim to meet the needs of the commercial and private grower has been steadfastly adhered to. The new five-story factory and warehouse are now practically completed, replacing the old ones that were burned last January. The lower story is 17 ft. high, of structural steel work, and will have cranes in addition to the regular machinery, punch presses, etc., making a much better equipment, so the firm is in better position than ever before to handle its business. R. E.

All Kinds of Plants

Everything that Blooms for the Christmas Trade
and Something for all the Year Round

FERNS FOR DISHES ONE OF OUR SPECIALTIES

Large Stock of BOSTON and WHITMANI FERNS
PALMS, DRACAENAS in Variety
PANDANUS and Other Decorative Stock

VISITORS ARE INVITED TO VISIT OUR HOUSES AT ANY TIME

Madison St. car west to Cicero Ave. (4800), then three blocks south, or Garfield Park branch of Metropolitan Elevated to Cicero Ave., and then four blocks north.

FRANK OECHSLIN

4911 W. Quincy Street, Chicago, Ill.

Kurowski, vice-president and general manager, with A. Hammerstrom, manager of the New York branch will represent the J. C. Moninger Co. at the Convention.

The Chicago Feed and Fertilizer Co., organized four years ago, is acceptably meeting the needs of commercial growers, private gardeners and country clubs. For them a thorough investigation of the needs of their soil is assured and such fertilizers as are best adapted are recommended. A chemical analysis is furnished at cost.

The present offices of the company have become too small and they are now moving into larger ones just south of their present location at 4166 S. Halsted Street. The officers are pres. John P. Bowles; vice-pres. and gen'l manager Frank S. Mackey; sec'y and treas., David Dickson.

The factory at Osborne, Ind., is in charge of R. T. Williams, and a large amount of new machinery has been installed the past year. The arduous duties of sales manager fall upon H. E. Humiston, who also has personal charge of the greenhouse research dept. He is well-known, having been connected with the trade for many years, a part of which he spent as practical grower. He will attend the New York Convention.

The largest greenhouse establishment in the world is said to be that of Poehlmann Bros. at Morton Grove, fourteen miles northwest of Chicago. Placed end to end they would extend seven miles. For convenience, the houses are designated as Plants A, B

and C. A being devoted to carnations, lilies, orchids and miscellaneous stock, B to roses and C to plants. Morton Grove is the objective point of nearly every florist coming into Chicago and it is quite possible that no other establishment of its kind, welcomes so many visitors. August Poehlmann, president and treasurer of the company resides in Morton Grove and always has a kindly welcome to the trade. He is noted for his generosity



F. OECHSLIN

in giving out information which has cost him time and money to acquire. Records are kept of each bench and the plan to keep the stock limited to the varieties that prove most successful is strictly adhered to. Poehlmann Bros. are second to none in the culture of the American Beauty rose to which they give much space. They were the first firm to bring the Mrs. Russell rose to its now recognized commercial importance and they have a supply all the year round. All other roses that are in demand are found here also.

In carnations nine varieties are found in the 170,000 plants housed this year. White Wonder, Perfection, Enchantress and Matchless in whites; Enchantress for light pink; C. W. Ward and Ackhurst for deep pink and Beacon, Thenanthos and Champion for red.

The four orchid houses, each 26x250 ft. filled with commercial varieties are always of interest to visitors. Poehlmann Bros. have their own orchid collector and rare indeed are some of the specimens he gathers. A unique collection of between 2000 and 3000 phalaenopsis is a very interesting and beautiful sight now. It was brought from the Philippines last year. Their culture is rather difficult, as is well known and for these reasons the phalaenopsis, grown so successfully by Poehlmann, has been dropped by most of the orchid growers here.

The plant department, opened five years ago, has about 200,000 sq. ft. of glass and an immense shipping trade is done. A very large stock of fine

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As we are large growers of cut flowers same insures your orders being filled with absolutely fresh stock

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Try Us On A Rush Order

We are in daily touch with market conditions and when a decline takes place you can rely upon orders sent us receiving such benefits.

young palms is seen there at this time.

The cut flowers for the Chicago wholesale store are carried down in large auto trucks making several trips daily. The supply department, under the management of T. E. Waters is now well established on the same floor as the cut flowers, and there are the best of facilities for handling orders with dispatch.

HOLYOKE AND NORTHAMPTON FLORISTS' AND GARDENERS' CLUB.

The regular meeting of the Holyoke and Northampton Florists' and Gardeners' Club was held August 7th with F. D. Keyes & Son, Florence. Arrangements were made for the an-

nual picnic, August 29th, at Gallivan Bros.' farm, Smith's Ferry. E. J. Canning gave a most instructive talk on "Hardy Herbaceous Perennials," chiefly from the commercial standpoint. In his nursery business Mr. Canning reports a steadily increasing demand for all the popular kinds. H. Sinclair read a paper on the "Lily Fields of Japan." H. E. D.

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WINTER-FLOWERING SPENCER SWEET PEAS

NOW READY FOR DELIVERY

The varieties offered below are now too well known to need much description; we classify colors to make ordering easy.

These are the standards of American Winter-Flowering Spencers superior to ours. All strains contain rogues. It is, however, easy to eliminate the late bloomers, as they can be readily distinguished by the fact that they branch within an inch or so of the ground, whereas the Winter-Flowering type grow in a straight vine with more pointed foliage, making a total growth until 18 inches to 2 feet above the surface of the ground. We recommend all growers to remove the late bloomers when the plants are a few inches high, or as soon as late bloomers can be distinguished. The Australian varieties are almost perfectly fixed.

PINK AND WHITE

	1/4 oz.	Oz.	1/4 lb.	Lb.
Christmas Pink Orchid.....	\$0.75	\$1.50	\$5.00	\$18.00
Pink and White Orchid.....	.15	.50	1.75	5.00
Sensation, Pink and white.....	.15	.50	1.75	5.00
The Czar, Rose, white wings.....	.75	1.50	5.00	18.00

WHITE AND BLUSH

	1/4 oz.	Oz.	1/4 lb.	Lb.
Bridal Veil, Best pure white.....	\$0.20	\$0.75	\$2.50	\$ 8.00
Spanolin, Double white.....	.20	.75	2.50	8.00
Venus, Blush white.....	.20	.75	2.50	8.00
White Orchid, Pure white.....	.15	.50	1.75	5.00

APRICOT AND ORANGE

	1/4 oz.	Oz.	1/4 lb.	Lb.
Apricot Orchid.....	\$0.20	\$0.75	\$2.50	\$ 8.00
Orange Orchid.....	.20	.75	2.50	10.00

RED AND ROSE

	1/4 oz.	Oz.	1/4 lb.	Lb.
Belgian Hero, Beautiful rose.....	\$0.30	\$1.00	\$2.50	\$10.00
Fordhook Rose, Rosy carmine.....	.50	1.50	4.00	15.00
Orchid Beauty, Dark rose pink, with orange bluish.....	.15	.50	1.75	5.00
Red Orchid, Bright cherry red.....	.20	.75	2.50	10.00
Sensation Scarlet, Bright scarlet.....	.30	1.00	2.50	10.00

PINK AND LIGHT PINK

	1/4 oz.	Oz.	1/4 lb.	Lb.
Bohemian Girl, Pink self.....	\$0.20	\$0.75	\$2.50	\$ 8.00
Fordhook Pink.....	.20	.75	2.50	8.00
Morning Star, Blue self-pink.....	.75	1.50	5.00	18.00
Mrs. Jos. Munda, Shell pink.....	.20	.65	2.00	7.50
Miss F. Roland, Light pink.....	.20	.75	2.50	8.00
Mrs. A. A. Skach, Bright pink.....	.15	.50	1.75	5.00
Selma Swenson, Soft pink.....	.30	1.00		
Yarrowa, Bright rose-pink.....				
Introducer's Re-selected stock.....	.35	1.00		12.00
California-Grown seed.....	.20	.65		8.00

LAVENDER AND BLUE

	1/4 oz.	Oz.	1/4 lb.	Lb.
Anita Wehrmann.....	\$0.25	\$0.75		
E. Burke, The best light blue, Tr. pkt. (25 seeds).....	.50c.		2.50	6.00
Mrs. John M. Barker, Wings light blue on white ground; standard lilac and dark rose.....	.50	1.50	4.50	15.00
Lavender Orchid.....	.15	.50	1.75	5.00

Mixed Winter-Flowering Spencers

1/4 oz. 20c.; oz. 65c.; 1/4 lb. \$2.00; lb. \$7.50.

New Australian Winter-Flowering Spencers for 1917

Concord Countess Improved. A larger and much finer strain of Concord Countess, bluish pink on white ground, deepening at the edge of the standard. Pkt. (25 seeds) 40c., 5 pkts. \$1.75.

Concord Exquisite. Pale pink on rich cream ground, three on a stem. Pkt. (25 seeds) 40c., 5 pkts. \$1.75.

1916 Novelities—Australian Winter-Flowering Sweet Peas

Blue Flakes. Deep blue, pencilled over a delicate gray white ground; the best blue to date.
Concord Daybreak. Cream with standard heavily edged buff pink.
Concord Charm. Delicate shades of white and blue; white wings and very light heliotrope standard.
Concord Countess. Most attractive tint of pink, the ideal flower color.
Concord Blush Shades. The colors

range from white bluish and creamy pink to deep pink.

Concord Mauve Shades. Fine mauve and lavender shades, highly recommended.

Concord Chief. Intense, rich deep maroon, massive Spencer form.

Concord Christmas Pink Shades. A Spencer strain of Christmas Pink coloring; as there is some variation in these they are offered as shades.

Prices on all the foregoing: Packet of 50 seeds, 40c.; 5 pkts. of one variety, \$1.75.

Boddington's Giant Pansies (New Crop)

	Tr. pkt.	1/4 oz.	Oz.
Boddington's "Challenge" Mixture.....	\$0.50	\$1.50	\$5.00
Boddington's English Exhibition Mixed.....	.50	2.50	8.50
Sim's Gold Medal Mixture.....	.75	5.00	
Knott's Winter-flowering Mixed, Giant flowers of good substance on long stems. Beautiful colors.....	.75	2.50	
Triumph of the Giants, Extremely large flowers of beautiful colorings.....	.50	2.00	9.00
Giant Masterpiece, Frilled Pansy. Petals beautifully waved; exquisite colors.....	.25	1.25	4.00

	1/4 oz.	Oz.	1/4 lb.	Lb.
Giant Madame Perret, Wine colored flowers; beautifully marked.....	.25	.85	3.00	
Giant Trimardeau, Mammoth flowering, and in a good range of color.....	.15	.50	1.50	
Giant Lord Beaconsfield, Deep purple violet, top petals light blue.....	.25	.60	2.00	
Giant Emperor William, Ultramarine blue, purple eye.....	.25	.60	2.00	
Giant Golden Queen, Bright yellow; no eye.....	\$0.25	\$0.60	\$2.00	
Giant Golden Yellow, Yellow; brown eye.....	.25	.60	2.00	
Giant President McKinley, Golden yellow, large dark blotch.....	.25	.85	3.00	

Concord Radiance. A very striking shade of rosy magenta.

Caerulea. Delicate sky blue, sometimes a little lighter.

Ruby. A glowing light crimson-scarlet color.

Salmonica. A rich, rosy salmon variety of great merit.

White Swan. White, of good form, size and substance.

of one variety, \$1.75.

	1/4 oz.	Oz.	1/4 lb.	Lb.
Adonis, Light blue with white center.....	.25	2.00	7.50	
King of the Blacks (Fant), Black.....	.25	1.00	3.50	
Fire King, Brilliant red yellow, large brown eye.....	.25	1.00	3.50	
Peacock, Beautiful varicolored type.....	.25	1.50	5.00	
Prince Bismarck, Yellowish bronze.....	.25	1.00	3.50	
Psyche, Violet, bordered white.....	.25	2.00	7.50	
Rosy Lilac.....	.25	1.00	3.50	
Ruby King, Superb crimson and red.....	.25	1.00	3.50	
Snowflake, Pure white.....	.25	1.50	5.00	
Snow Queen, White, center tinged yellow.....	.25	1.50	5.00	
Striped.....	.25	1.00	3.50	

5% discount for cash with order.

Arthur T. Boddington Co., Inc., Seedsmen, 128 Chambers St., N. Y. City



The House of MICHELL

Extends a cordial invitation to every florist, seedsman, nurseryman and others attending the S. A. F. Convention, August 21 to 23 in New York, to visit their Philadelphia establishment, 518 Market Street—within one block of Independence Hall—and their nurseries at Andalusia, Pa. (16 miles from Philadelphia).

You will find there up-to-date establishments, where a reputation for thoroughness, progressiveness and reliability has carried it to the front rank—as a leader in the horticultural and agricultural world.

Our warehouses at 518 Market Street, 509, 511 and 513 Ludlow Street and 19, 21, 23 Bank Street are well stocked. Our nurseries at Andalusia will no doubt interest you. There are over fifty acres devoted to the growing of Hardy Perennials, Cannas, Dahlias, Roses, etc. There you will have an opportunity to see the famous "Oaks of Andalusia," one of which is reputed to be from 800 to 900 years old, and the finest, most perfect white oak in Pennsylvania, if not in the United States.

We anticipate the pleasure of your visit and personal acquaintance. Our representatives will be on hand at the Convention to give any information they possess that might be helpful.

MICHELL'S SEED HOUSE, Philadelphia

518 MARKET STREET

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, F. W. Bolgiano, Washington, D. C.; First Vice-President, Wm. G. Scarlett, Baltimore, Md.; Second Vice-President, David Burpee, Philadelphia, Pa.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.

The Potato Crop.

"This year the United States planted its potato crop from the poorest quality of seed that ever went into the ground, and naturally the harvest will be potatoes of poor quality. Strict grading, careful packing, common sense storage, and careful shipping are necessary to insure just returns to the growers. A conference between the potato growers, local authorities and experts from the Food Administration was held recently at Boston. A plan of action was mapped out at this meeting which includes the following:

1. Marketing of only one-third of the crop at harvest time; another third in ninety days, or placing in storage and later distributed as demand affords opportunity; the remaining third to be stored by the grower and marketed throughout the year.

2. All potatoes to be graded with care, taking out culls, cuts, cracks and any that are bruised. It was recommended that a wire screen grader be used—one and seven-eighths-inch mesh for oblong tubers and two-inch mesh for round ones. Graded stock then to be placed in good two-bushel sacks—one hundred and fifteen pounds to the sack—and the sacks sewed tightly so as to prevent shucking and bruising.

3. Increasing the load in each railroad car from the normal 30,000 pounds to 45,000 or 50,000 pounds. That these cars be unloaded within twenty-four to thirty-six hours of their arrival at destination.

4. That municipalities and other bodies provide storage for as large quantities as possible at the peak of the harvest.

The prospect which the growers of the New England group of states face is that of handling 45,000,000 bushels of potatoes—one-tenth of the entire United States crop—without causing an overstocked market and the resulting loss of all profit on the crop.

A Snag in the Amended Revenue Bill.

We are informed by Chairman W. F. Therkildson, of the Postal Laws Committee of the American Seed Trade Association, that he was in error in his advice which we published in our issue of August 11, relative to the exemption of all catalogues from the provisions of the amended Revenue Bill. Mr. Therkildson now says:

"In my first advice from Senator Penrose he stated plainly, that catalogs had been exempted and that all other parcel post matter four ounces and under was exempted. Thinking that Senator Penrose had given me the right information, I immediately wired you that catalogs had been exempted. Having received the amendment clause it shows plainly that the intent of the bill is to exempt catalogs of four ounces and under only. This does not make the amended bill much better than the original one.

A direct effort should be made by every member of the trade to have all catalogs exempt. Please advise the members to write to their Senators and Representatives at once, advising that the amendment is not satisfactory, that all catalogs should be exempted regardless of weight. They are intended for business getters and it is extremely unfair to tax an effort to get business. It is a direct blow at business in the making.

I am sorry that my information caused me to convey an erroneous impression, but I acted immediately upon receipt of the information, which I felt to be authentic, and as originally worded the clause could be taken to mean that catalogs were exempted. It is a case of everyone getting busy and showing that we are not satisfied with the amendment. It must be a case of fight for the exemption of all

catalogs. No time should be lost by members of the trade in writing their Senators and Representatives so that the amendment as made does not meet with their approval."

The Pea and Bean Situation.

It is evident that the crop of garden peas is going to be short. The middle-west had too much rain. Farther out, in Colorado, Montana and Idaho, they were parched up by too much dry, hot weather. California crops are quite fair except on Lima, Kentucky Wonder and some other beans but the southern part of the state is still very uncertain. Crop speculation is suspected in some quarters. Common field beans made money the past season. The farmer found easy money on such material and kept shy on the crops requiring careful culture with the results that the latter will soar. The farmer really thinks he has been imposed upon hitherto and doesn't propose to be guilty of selling too low now. He has been patted on the back, has had a taste of easy money and likes it. Then again the country is full of rogues and the temptation is great.

Onion Seed Crop Prospects in Canary Islands.

(Consul George K. Stiles, Teneriffe, June 20.)

The first picking of the onion seed crop began in the islands of Teneriffe, La Palma, and Gomera on June 10 and constituted the principal export from the archipelago to the United States. Reports from the growers tend to show exceptionally good results, especially as regards the yellow and red seed, which is said to exist in abundance.

The so-called white "wax" seed appears to have suffered slightly from sun scorch or "pasado" as it is called by growers. There seems no reason, however, to apprehend any inability to fill orders. The "secano" or unirrigated onion seed acreage has done well, especially in La Palma Island.

AMERICAN BULB COMPANY

172 N. WABASH AVE., CHICAGO

We Use Only The Best Bulbs Obtainable.

We Have Not Had To Increase Our Prices

Because we contracted for our boat space last fall, at the low normal rate. Importers who did not do so must pay more for boat space and therefore charge their customers more for bulbs or deliver a cheaper grade. We have reason to be proud of our sales, which on lilies alone passed the million mark since last fall.

FRENCH BULBS, including Paper Whites, Grand Soleil d'Or (yellow Paper Whites), Roman Hyacinths and French Trumpet Majors, have reached several millions.

Write us for our Special Price List on our High Quality Bulbs

Cold Storage Lily Bulbs Now On Hand. Plant now and have good blooms when other flowers are scarce and expensive.

where a well-timed rainfall has brought out unusual quantities of finely developed "yellow" and "red."

Average contract prices are reported as follows, per pound: Fancy white wax, \$1.25 to \$1.50; yellow, \$0.85 to \$0.90; and red, \$0.80. Prices have stiffened considerably, due to the presence of a trade factor that has never before entered into the make-up of this market, namely, the drop of between 15 and 20 per cent. of the exchange as against the American dollar. This means that the grower must increase his prices this season in American currency by from 15 to 20 per cent. to collect in pesetas amounts equivalent to similar quotations in previous years.

Deliveries will be much earlier than usual, the first seed probably arriving from three weeks to a month earlier than during the past five seasons.

American Imports of Seeds During July.

The following table, prepared in the Seed Laboratory of the Bureau of Plant Industry, United States Department of Agriculture, shows the amount of the various kinds of forage plant seeds subject to the seed important act permitted entry into the United States during the month of July, 1917, as compared with July, 1916.

Kind of Seed	July, 1916 Pounds	July, 1917 Pounds
Alfalfa	1,344,900	100
Canada blue grass.....	700	100
Awnless bromo grass....	1,400	.....
Alsike clover.....	54,700	89,000
Crimson clover.....	544,700	369,300
Red clover.....	525,900	24,000
White clover.....	27,300	.....
Orchard grass.....	.....	43,400
Rape.....	111,100	327,100
Redtop.....	.....	1,300
Timothy.....	.....	100
Italian rye grass.....	.....	100,800
English rye grass.....	.....	134,500
White and alsike.....	.....	30,200

Government Activities.

The provisions of the Food Production Bill includes the following:

Increased efforts to be made to combat insect pests of plants.

Further steps to be taken to destroy predatory animals which injure crops.

Work for the control of plant diseases to be extended.

Survey of seed supplies and needs to be made and results published so that farmers will be assisted in obtaining a sufficient supply of good seed. Seed to be purchased and sold to farmers by the Department if necessary in restricted areas.

Demonstrations to be carried out in the proper handling, packing, shipping, and marketing of perishable fruits and vegetables to decrease spoilage.

News service for various farm products to be extended so that producers and consumers can be better informed as to the supply and demand and can

sell and buy with less expense, less spoilage, and less lost motion.

Weeds Threaten Wisconsin's Clover Seed Trade.

Wisconsin may lose its enviable reputation for the production of clover seed. Weed seeds are the cause. High prices for Wisconsin clover seed are to be a thing of the past, unless steps are taken by all clover growers to get rid of objectionable weed seeds contained in alarmingly increasing amounts in Badger-grown consignments of this valuable forage plant. This is the burden of an appeal sent out by A. L. Stone, state seed inspector.



**SEEDS
BULBS
FERTILIZERS
SUNDRIES**

FOR THE FLORISTS

A most complete stock of Seasonable Seeds.

FOR THE FLORISTS

For immediate use or future delivery. Ask for quotations.

FOR THE FLORISTS

Pulverized Sheep or Cattle Manure. Clay's. Thompson's. Dried Blood.

FOR THE FLORISTS

Insecticides, Spraying Implements, Small Tools, etc.

YOU ought to have our retail and Florists' Special List. If you have not, write for one.

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LEONARD'S SEEDS
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LEONARD SEED COMPANY, Chicago, Ill.

"Seeds with a Lineage" All Varieties
Thoroughly tested at our trial grounds, Raynes Park, London, England. Send for Catalogue

CARTERS TESTED SEEDS, Inc., 106 Chamber of Commerce Bldg., Boston, Mass.

Lilium Harrisii
Roman Hyacinths
Paper White Narcissus
Special Prices on Application

J. M. THORBURN & CO.
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KELWAY & SON
 SPECIALIZE IN
SEEDS

(personally selected strains)

WHOLESALE ONLY

Write for Special Prices, Spot or
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Only Address, LANGPORT, Eng.

LET US QUOTE YOU PRICES

"A B C BRAND"

Lilium Giganteum Rubrum
Album Auratum

AMERICAN BULB CO.

172 No. Wabash Ave., - Chicago

J. BOLGIANO & SON

**Careful Seed Growers For
 99 Years**

Send for Our 1917 Wholesale Prices
 To Florists and Market Gardeners

BALTIMORE, MD.

READY NOW

Keystone Snapdragon Seed. Winter Bloom-
 ing. \$1.00 per pkt., 6 pkts for \$5.00.
 Pansy Seed. Finest Florists' Mixture.
 \$6.00 per ounce.
 Mignonette. Giant Greenhouse Grown.
 \$8.00 per ounce.

When we say we can please you, we mean
 just what we say.

S. S. SKIDELSKY & CO

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**MY WINTER-ORCHID-FLOWERING
 SWEET PEA**

Price list has been mailed. It contains
 many splendid Novelties. If you have not
 received a copy send postal for.

ANT. C. ZVOLANEK

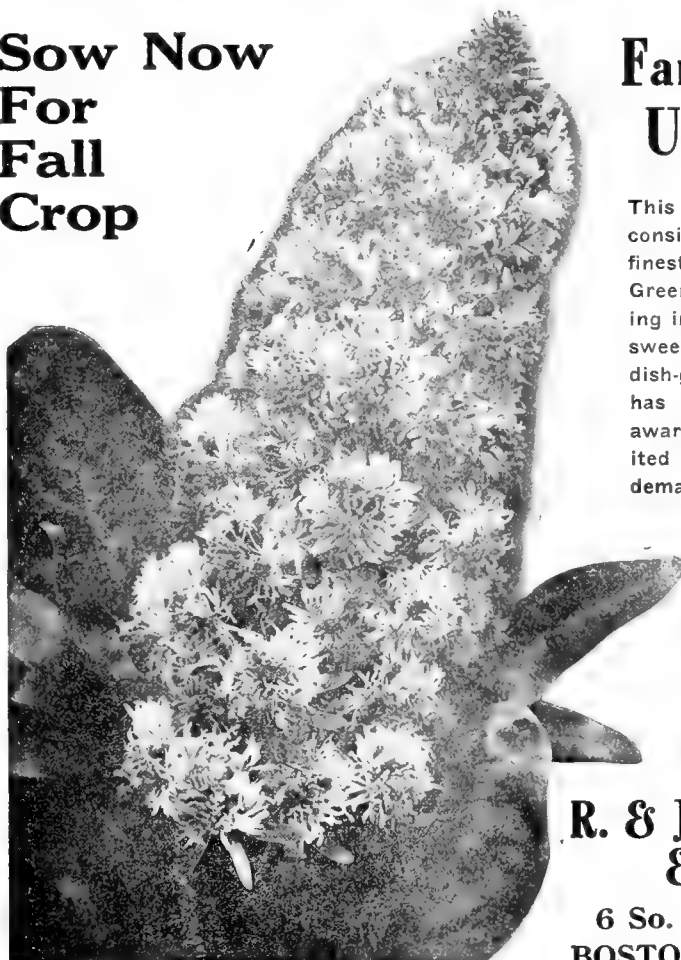
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BLUE LIST OF WHOLESALE PRICES
 MAILED ONLY TO THOSE WHO PLANT
 FOR PROFIT

MIGNONETTE

**Sow Now
 For
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**Farquhar's
 Universal**

This Mignonette is
 considered one of the
 finest varieties for the
 Greenhouse, produc-
 ing immense spikes of
 sweetly scented, red-
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 has received many
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 ited and is greatly in
 demand for cutting.

1-4 oz. - \$4.00

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CANES

Measuring from 6 to 8 feet. Can
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Reselected Strains in Seeds.
 Improved styles in Implements.
 Catalogue upon application.

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LILIUM FORMOSUM

8/11, 225 to a case.....\$80.00 per 1000

9/10, 200 to a case..... 85.00 per 1000

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8/10, 200 to a case.....\$80.00 per 1000

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French bulbs and Dutch bulbs.

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GARDEN SEED

BET, CARROT, PARSNIP, RADISH and
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 items of the short crop of this past season,
 as well as a full line of Garden Seeds, will
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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

*Cost of Cable, Foreign Deliveries
Must be prepaid*

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.

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Member of Florists' Telegraph Delivery

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Transfer Your Orders to

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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address. Dardsflor.

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Deliver orders from any part of the country to

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Telephone 1889-1890 Columbus

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F. H. WEBER'S

Modern Flower Shop for
Artistic and Special Work

N. E. Corner of Taylor and Olive

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Johnston Brothers
LEADING FLORISTS

38 Dorrance Street

Member Florists' Telegraph Delivery

Of Interest to Retail Florists

PERNICIOUS ECONOMY.

The prospect of an extended war has produced a number of nonsensical suggestions for economizing. One of the first in this category is the proposal to do without the productions of the florist until better times return. Those who favor the omission of flowers at weddings, funerals, commencements and similar functions do not stop to consider that the florists not only have an immense amount of capital tied up in their special industries, which cannot be immediately turned to account in other lines, but that the potter, the seed grower and a host of other tradesmen depending upon them for patronage would find their own businesses gone or sadly depressed were the florists to cease operations. To us the proposition to begin a war by wrecking the business of a considerable part of the population does not look attractive. True economy consists in making the best use of a thing, not in going without it. If the country as a whole is to remain prosperous, its citizens must buy about as they have been doing, but they must see that what they purchase is used to its fullest extent. This is no time to cut down on schools, books, magazines or even vacations.—*The American Botanist.*

NEW FLOWER STORES.

Ashtabula, O.—Silvius & Silvius.

Chicago, Ill.—Altimo Floral Co.,
2101 Lincoln Ave.

Los Angeles, Cal.—Flower Gardens, Inc., 328 West Third St. Tassano Bros., removed to 422 Wall St.

Long Beach, Cal.—Long Beach Floral Company, 3842 East Tenth St., consolidating the Belmont Fernery and Marine Florist.

Fitchburg, Mass.—Otto C. Mallgrav, formerly proprietor of the Flower store has enlisted in the Coast Artillery corps and is now located at Fort Banks, Winthrop.

Danker
FLORIST

Albany, N. Y.

*The Best Service
Our Business is Growing*

Member Florists' Telegraph Delivery.

Send Your Orders for
NARRAGANSETT PIER, R. I.

—TO—

Matheson House Florist

Service Perfect

SAM WOODROW

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**Artistic Designs . . .
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We cover all Michigan points and good sections of Ohio, Indiana and Canada.
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Flowers of Every Kind in Season

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440 Main St., Buffalo, N. Y.
ANDERSON service means fresh, sturdy
Stock and prompt deliveries in BUFFALO,
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WESTERN NEW YORK
Members of Florists' Telegraph Delivery.

HIGH GRADE PLANTS
For Retail Stores a Specialty
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Randall's Flower Shop
HARRY L. RANDALL, Proprietor.
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Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
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Albany, N. Y.—The Rosery, 23 Steuben St.
Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn the Florist, 124 Tremont St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Cleveland, O.—Adam Graham & Sons, 5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th St.

Cleveland, O.—The Smith & Fettes Co., 735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017 Grand Ave.

Los Angeles, Calif.—Howard & Smith, 853 So. Olive St.

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St. Louis, Mo.—F. H. Weber's, N. E. corner of Taylor and Olive Sts.

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Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop, 22 Pearl St.

Send Telegraph, Telephone or Mail orders for florist service in this vicinity to

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Every Order sure to receive prompt and careful attention.

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STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between
New Haven and Providence
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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER

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"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention

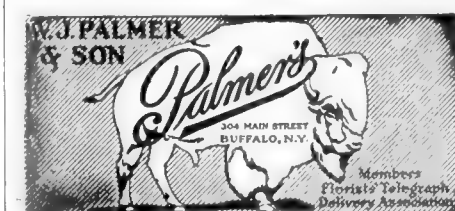
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ALEXANDER McCONNELL

611 FIFTH AVENUE
NEW YORK CITY



CONVENTION VISITORS WELCOME

NEWS ITEMS FROM EVERYWHERE

ST. LOUIS.

Vincent Gorly is at his desk again.

H. G. Berning and wife are having a nice time in Colorado.

F. C. Weber, Jr., has gone north on a visit to his father, F. C. Weber, Sr.

There is considerable talk around about another wholesale house for St. Louis.

Joe Wors, son of C. W. Wors, is now at Boston Navy Yard prior to his going to sea.

Young Bros. are moving and an auction of ferns and palms will be held previous to removal.

Through the courtesy of Ernst Strehle, superintendent of parks, the Florist Club held their meeting up the river on the harbor boat, Erastus Wells. They landed at Chain of Rocks and went through the nursery department there. There were 75 members present. Election of officers was the feature, all the old officers were elected. The committee reported the recent picnic a success. George Waldbart and Joe Witeck sent in their applications for membership. After the meeting a luncheon was enjoyed. The next meeting will be held at Joe Hauser's at Webster Grove.

WASHINGTON, D. C.

Milton Redman has just returned to the S. S. Pennock Co. store after a vacation at Atlantic City.

The S. A. F. convention and the officers that will be nominated held the attention of the local club at its regular meeting last week. Harry B. Lewis was appointed chairman of transportation and considerable enthusiasm was manifested.

A large number of local florists are expected to attend the S. A. F. convention in New York. Harry B. Lewis has been rounding up florists and gardeners and reports that fully fifty will take the eleven o'clock Pennsylvania on Monday. Private cars have been set aside and Mr. Lewis is urging all who intend going to so arrange that they will join the big party.

There is a possibility of two others of Washington's florists being summoned to join the new army service in France, for the names of J. Harper Hetherington, manager, and Clifford Wilson, both of the Washington Floral Company, have been drawn. Mr. Hetherington has two brothers, one a sergeant, the other a private, already serving Uncle Sam; two others are awaiting the call, while a fifth brother failed to pass the physical examination.

PITTSBURGH.

Ernest C. Ludwig entertained the men of the Pittsburgh Florists' Club on Aug. 9 at his farm at Ludwig Station, Mars, Pa., about twenty members were present.

Willard S. Hagar of Canton, Pa., a State College graduate, has been engaged as assistant to Agriculturist Norman S. Grubbs of the Allegheny County Farm Bureau.

August Frishkorn, manager of the Beckert Seed Co., is spending a few weeks at Cambridge Springs, Pa., Daniel H. Grabert, an attache of the same firm, is at the St. Clair Flats, Mich., and Miss Elizabeth Smith, is at the Oakmont Boat Club, Oakmont, Pa. Leon Henry Bergman is again on duty at the Pittsburgh Cut Flower Co., after a vacation at Geneva-on-the-Lake, Ohio. Miss Alice Gast and Miss Gertrude Renziehausen, have returned from pleasure trips, the latter at Ashtabula Harbor, Ohio, and the former at Burgettstown, Pa. Miss Corry De Pries, has returned from a year's visit at her home in Amsterdam, Holland. Miss De Pries was formerly identified with Jacs Smits & Co. in Amsterdam.

BE SURE TO VISIT

Our unprecedented Exhibit at the New York Convention Grand Central Palace. The Best Display of Florists' Supplies ever put up in this country. Many Beautiful Novelties that will set the standard of the coming season's flower business.

Make our stand your headquarters for mail, telegrams or appointments. Our Mr. Sidney H. Bayersdorfer and a corps of assistants will extend every courtesy.

**H. BAYERSDORFER & CO., 1129-31 Arch Street
PHILADELPHIA, PA.**

THE Florists' Supply House of America

BOSTON.

N. F. McCarthy is down in Maine, getting primed up for the fall campaign.

Daniel J. Sullivan is now at Camp Lee, Petersburg, Virginia, in the office of the quartermaster, from where he expects to proceed to France in the near future.

In a letter just received by Prof. Sargent, E. H. Wilson, who is now in Korea, says he has discovered there two remarkably fine lilacs, which should prove splendid additions to the species now being grown in the Arnold Arboretum grounds. One of these he writes, is the most fragrant of any with which he is familiar, and for that reason should be taken up with enthusiasm by garden-makers in this country. Mr. Wilson will doubtless bring home seeds which will be planted in the Arboretum trial ground, and which should produce flowering plants by the end of the fifth year. There is every reason to believe that these new lilacs will thrive in New

England, and if they do it is likely that they will be put into the hands of nurserymen and spread abroad. The Arboretum has already given many fine plants to American gardens, not a few of which have been introduced by Mr. Wilson.

Officials of state, county, city or town who announced that preparations had been made for the summary punishment of garden marauders this year evidently didn't have Natick in mind. Many farmers in that town have been the victims of plant pilferers. The employees of the Waban Rose Conservatories have been the victims of the thieves, also. Manager Montgomery had a large tract of land ploughed, fertilized and prepared for gardening this spring, and the employees were given all the space they wished for planting, together with the use of the conservatory tools and horses. The men planted a quantity of potatoes, and now that these have reached the harvesting stage, garden thieves are making nightly visits and digging the potatoes themselves.

PHILADELPHIA.

I. N. Simon & Co. will move from Front and Market street to 438 Market street, Oct. 1st. They will occupy the whole of the five-story building.

August 10th we got a glimpse of John Burton in Philadelphia—and to his friends it looked like greeting a long-lost brother—as this was his first appearance since he went to the hospital, June 22nd, nearly seven weeks ago.

NEW CORPORATIONS

Bellevue, O.—Fangboner Seed Company, capital stock, \$50,000.

Newark, N. J.—American Seedtape Company, 365 Ogden St., manufacturers of the seed container called Seedtape, capital stock, \$1,000,000.

Madison, N. J.—Chas. H. Totty Company, Ridgedale Ave., Florham Park, capital stock, \$125,000. Incorporators, Chas. H., Margaret and Anna Totty, and Anna L. Moran.

This is an Unusual Year!

Expensive Flowers are selling better than cheap ones. The poorer people are not buying flowers. Your trade this year will come from the wealthier class and you must use more boxes than ever before.

Did you ever sell American Beauties, Orchids or Mrs. Russell Roses and deliver them wrapped in a paper? Of course not! You used the best box you had and wished you had a better one.

WE HAVE THE BETTER BOXES TO SELL

SAMPLES AND PRICES ON APPLICATION

**A. A. ARNOLD PAPER BOX CO., 1302 W. Division Street,
CHICAGO, ILL.**

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We Will Be Pleased to Greet You at
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Clubs and Societies

NEW YORK FLORISTS' CLUB.

The club meeting on Monday evening, August 13, was a quiet affair with about fifty members in attendance. It was a very warm night and little was done other than to listen to the reports of various special committees on convention matters. All reports were to the effect that everything was in readiness for the big event. A new fern, a sport from *Nephrolepis* "Teddy, Jr.," was shown, from Fred Dressel, under the name of "President Wilson." The judges recommended a certificate of merit. P. J. Foley sent in his resignation as a member of the Club and same was accepted with regrets. Secretary Young made a very optimistic report on the outlook for a good convention and a particularly fine trade exhibition.

CLUB AND SOCIETY NOTES

The Albany (N. Y.) Florists' Club

will hold its next meeting with Joseph Traudt at his place in Canajoharie, on September 1.

At the Southampton (N. Y.) horticultural show there were 773 entries, exclusive of the table decorations. Among the trade exhibitors were the following: G. E. M. Stumpp, of New York city and Southampton, received a gold medal for most artistic display of flowers and arrangement. C. E. Frankenbach & Sons received a silver medal for a large exhibit; James Gullfoyle received honorable mention for foliage plants. Among others who had fine displays were Arthur T. Boddington, who had a great variety of vines, seeds and flowers; Hicks' Nursery, of Westbury, who had a fine exhibit of full grown trees; Julius Roehrs Company, of Rutherford, N. J., perennials; Cedar Hill Nursery, of Brookside, N. Y., had herbaceous plants.

The eleventh summer meeting of the New Jersey State Horticultural So-

ciety was held at Bridgeton, Aug. 8, with Minch Brothers as the hosts. The attendance was very large, members being present from all parts of the state. They gathered at Tumbling Dam Park and then in automobiles proceeded for an inspection of Minch Brothers' orchard. In the afternoon there was a general meeting in the Casino at the park, with C. Fleming Stanger, of Glassboro, president of the State Horticultural Society, presiding. The vice-president, L. Willard Minch, spoke briefly for Minch Brothers, the hosts, and other addresses were delivered by Dr. Jacob Lippman, dean and director of the State Experiment Station; E. J. Cattell, City Statistician, of Philadelphia, and E. J. Berlet, of the Walnut Street Business Men's Association, Philadelphia, who paid high tribute to both the intensive and extensive farming as practiced in this section. Inspection of machinery used in fruit packing and also the fruit display, with distribution of prizes for the latter, occupied the rest of the afternoon.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Aug. 16		ST. LOUIS Aug. 13		PHILA. Aug. 13	
Roses						
Am. Beauty, Special	10.00	to 15.00	to 25.00	30.00	to 35.00	
" " Fancy and Extra	6.00	to 8.00	to 10.00	10.00	to 15.00	
" " No. 1 and culls	3.00	to 6.00	to 8.00	2.00	to 8.00	
Russell, Euler, Mock	1.00	to 6.00	4.00 to 10.00	2.00	to 10.00	
Hadley	.50	to 4.00	4.00 to 8.00	2.00	to 8.00	
Arenberg, Hoosier Beauty	.50	to 4.00	to 8.00	2.00	to 6.00	
Ward	.35	to 4.00	1.50 to 4.00	1.00	to 4.00	
Killarney, Radiance, Taft	.35	to 4.00	2.00 to 4.00	1.00	to 8.00	
Ophelia, Sunburst, Hillingdon	1.00	to 4.00	2.00 to 6.00	2.00	to 8.00	
Carnations	.50	to 1.00	to 1.00	.50	to 2.00	
Cattleyas	50.00	to 75.00	to 75.00	60.00	to 75.00	
Dendrobium formosum	to 50.00	to 50.00	to 50.00	to 50.00	to 50.00	
Lilies, Longiflorum	6.00	to 8.00	10.00 to 18.50	6.00	to 8.00	
Lilies, Speciosum	2.00	to 3.00	to 3.00	2.00	to 5.00	
Lily of the Valley	5.00	to 6.00	to 8.00	6.00	to 8.00	
Snapeadragon	1.00	to 2.00	to 2.00	to 2.00	to 2.00	
Gladioli	1.00	to 3.00	2.00 to 4.00	2.00	to 3.00	
Asters	.25	to 1.00	1.00 to 4.00	.50	to 3.00	
Sweet Peas	.25	to .50	to .50	to .50	to .50	
Marguerites	.50	to .75	to .75	to .75	to .75	
Gardenias	30.00	to 25.00	to 25.00	to 25.00	to 25.00	
Adiantum	.25	to 1.00	to 1.00	.75	to 1.00	
Smilax	6.00	to 8.00	12.50 to 15.00	10.00	to 12.00	
Asparagus Plumosus, & Spreng. (100 Bchs.)	15.00	to 25.00	25.00 to 35.00	25.00	to 50.00	

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ROSES, VALLEY and
 CARNATIONS
 A Specialty

WHOLESALE
 GROWER of

CUT FLOWERS

Flower Market Reports

BOSTON The flower market is very dull again this week. There is no activity worth mentioning on any line. The main stock now offered consists of gladioli and asters. Gladioli are of fine quality but entirely too abundantly supplied and sales are made only at low figures. Asters are not as good as they were and there are of these too many for the market requirements. Lilies have resumed their former dignity and prices are now quoted at a living standard. Roses are still small but improving and are clean and of good color, as a rule. Other than the above mentioned there are only a few "odds and ends" in sight.

The supply of roses is **CHICAGO** suffering from mid-summer heat and drought. The demand is confined mostly to the longest of the cuts and the shortest, but customers are glad to get any good roses now. The closing days of last week cleaned up the market of most of the first-class asters, leaving any quantity of poor ones, and there will soon be nothing else unless rain comes. The ground is hard and dry, making a poor outlook for late asters. Miscellaneous stock is shortening up decidedly. Calendulas, which have been coming since cold weather, are looking fine, but do not keep so well as formerly, so demand is limited. Very few carnations are seen. Gladioli have less competition just now than usual and there are many good ones coming in which sell readily. The small ones of less desirable coloring stand waiting for buyers as usual.

Little interest at **NEW YORK** touches to the attenuated activities in the flower trade section just now. Nothing transpires that is worth recording. Clerks are off on vacation or holiday jaunt, buyers are rare and growers are making but few excursions to the city. Only those who have something on their mind or some duty connected with the coming Convention are to be seen either up-town or down. As the time goes along roses are gradually improving in quality but not yet in price, asters are still overstocked but they are a little better as to quality, gladioli are a burden on all sides and lilies are doing somewhat better than has been the case of late. Cattleyas are very few and far between but there is no clamor for them and prices stay at a moderate figure.



ASTERS

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\$1.00 \$1.50 and \$2.00 per 100
Extra choice, **\$3.00 per 100**

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Aug. 13		CHICAGO Aug. 13		BUFFALO Aug. 6		PITTSBURG Aug. 7	
Roses								
Am. Beauty, Special.....	.....	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra.....	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	8.00	to 12.00
" " No. 1 and culls.....	8.00	to 10.00	3.00	to 10.00	2.00	to 3.00	2.00	to 6.00
Russell, Euler, Mock.....	3.00	to 8.00	3.00	to 20.00	2.00	to 5.00	4.00	to 12.00
Hadley, Euler, Mock.....	.....	to .....	.....	to	3.00	to 5.00	.....	to
Arenberg, Hoosier Beauty.....	3.00	to 6.00	2.00	to 8.00	3.00	to 5.00	.....	to
Ward.....	3.00	to 5.00	3.00	to 6.00	2.00	to 4.00	3.00	to 8.00
Killarney, Radiance, Taft.....	3.00	to 5.00	2.00	to 6.00	2.00	to 6.00	2.00	to 10.00
Uphelia, Sunburst, Hilingdon.....	3.00	to 6.00	.....	to	2.00	to 6.00	3.00	to 10.00
Carnations	1.00	to 2.00	.50	to 2.00	.50	to 1.50	1.00	to 2.00
Cattleyas	.....	to 75.00	60.00	to 75.00	40.00	to 50.00	40.00	to 75.00
Dendrobium formosum	.....	to .....	.....	to .....	.....	to .....	.....	to
Lilies, Longiflorum	8.00	to 10.00	5.00	to 8.00	6.00	to 10.00	.....	to 10.00
Lilies, Speciosum	.....	to .....	.....	to	3.00	to 5.00	.....	to
Lily of the Valley	.....	to 7.00	4.00	to 6.00	.....	to .....	.....	to
Snapdragon	3.00	to 4.00	3.00	to 6.00	2.00	to 3.00	1.00	to 3.00
Gladioli	4.00	to 5.00	3.00	to 6.00	2.00	to 5.00	4.00	to 6.00
Asters	1.00	to 3.00	.50	to 3.00	1.00	to 2.50	.50	to 2.00
Sweet Peas	.....	to .....	.25	to .75	.20	to .75	.....	to .50
Marguerites	.....	to 1.00	.25	to 1.00	.50	to 1.00	.....	to
Gardenias	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum	.....	to 1.00	.....	to .75	1.00	to 1.25	.75	to 1.25
Smilax	.....	to 15.00	20.00	to 25.00	15.00	to 20.00	10.00	to 15.00
Asparagus Plu. & Spren. (100 Bhs.)	20.00	to 25.00	25.00	to 50.00	25.00	to 50.00	30.00	to 50.00

Rather dull business, but fair for midsummer. Little change in quotations except that cattleyas doubled up suddenly and there has also been a slight firming in the rose market consequent on decreased supplies. Asters are coming in of better quality but there are still too many of the inferior early-flowering sorts arriving. Gladioli have worked out of the bad condition the hot spell threw them into and are now pretty good. Second crop delphiniums now available. Also early cosmos and tuberose—the latter very good quality.

The most pessimistic could not have foretold a duller week than the one just past. Monday morning opened fairly well, but the following days were practically equivalent

to nothing. Asters and gladioli continue plentiful, the latter being of superb quality, while the asters are only fair. There is now a plentiful supply of short roses. The local seedsmen report the best season in the history of the trade, even the present time being far from dull, which is unprecedented in the history of the trade. Landscape men continue to "plod along" as best they can in the absence of laborers, the same condition applying alike to private firms, park and railroad supervisors. Foreman John

(Continued on page 205)

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NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Aug. 11 1917		First Half of Week beginning Aug. 13 1917	
American Beauty, Special	12.00	to 20.00	12.00	to 20.00
" " Fancy and Extra	8.00	to 12.00	8.00	to 12.00
" " No. 1 and culls	1.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock	.50	to 6.00	.50	to 6.00
Hadley	.50	to 6.00	.50	to 6.00
Arenberg, Hoosier Beauty	.50	to 4.00	.50	to 4.00
Ward	.25	to 3.00	.25	to 3.00
Killarney, Radiance, Taft	.25	to 3.00	.25	to 3.00
Ophelia, Sunburst, Hillingdon	.50	to 6.00	.50	to 6.00
Key	.50	to 4.00	.50	to 4.00
Carnations	.50	to 1.50	.50	to 1.50

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GREEN LYCOPodium
Fire proof and guaranteed not to become brittle. Put up in convenient size carton, 10 lbs. net. This is a good substitute for Sea Moss.
PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street
PITTSBURGH, PA.

Flower Market Reports

(Continued from page 203)

W. Jones, of Phipps Conservatory is about to leave to attend the florists' convention and other points in the east.

Business though not rushing can not be called dull. Large quantities of asters of good quality reach this market daily and sell readily. There is little demand for the poorer grades. Gladioli are very plentiful. Roses are very poor. Carnations are very small. Longiflorum and Japanese lilies are very plentiful. Gaillardia, candytuft, bachelor buttons, coreopsis and snapdragon meet little demand.

Business has been very good. Asters have the call and are varying considerably in price, according to quality, ranging from five cents the bunch to \$8 per hundred. Gladioli are very plentiful with the market slow, the price being below normal on account of the heavy supply. Roses are quite good and those coming in sell well. The northern stock, due to poor express facilities, is more often unsalable because of delays in transportation. Indoor carnations are entirely gone and their place is being taken to some extent by outdoor stock. Hydrangea blooms which sold so well the previous week now hang fire.

NEWS NOTES.

Newark, Del.—Frank Warren has resigned as foreman in the horticultural department in the Delaware College Experimental Farm, and Chester C. Yost, of Wilmington, appointed to succeed him.

Beacon, N. Y.—Benj. Hammond's entire force has been working four nights a week ever since the first of March. Mr. Hammond states that during the past several weeks he has been fairly overwhelmed with orders.

Hershey, Pa.—Carl L. Schmidt, of Lebanon, has accepted the position of head florist and gardener here. He will be in charge of about thirty men employed to keep the lawns and flowers in first-class condition.

Madison, Conn.—The people of Madison, especially members of the cottage colony, will regret to learn that S. Arthur Scranton is retiring from business and will accept no more contracts. For nearly 40 years, ever since Madison has been a popular resort, Mr. Scranton has had charge of the grading and landscape gardening around the summer homes. The many lawns and gardens which have been made to grow along the shore, bear witness to his splendid ability in that direction.

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MISCELLANEOUS	Last Half of Week ending Aug. 11 1917	First Half of Week beginning Aug. 13 1917
Cattleyas	50.00 to 75.00	50.00 to 75.00
Dendrobium formosum	..... to 40.00	..... to 40.00
Lilies, Longiflorum	3.00 to 6.00	4.00 to 8.00
Lilies, Speciosum	1.00 to 3.00	1.00 to 3.00
Lily of the Valley	4.00 to 6.00	4.00 to 6.00
Snapdragon	1.00 to 2.00	1.00 to 3.00
Gladioli	1.00 to 3.00	1.00 to 3.00
Sweet Peas	.15 to .30	.15 to .50
Marguerites	.25 to .50	.25 to .50
Gardenias	20.00 to 50.00	20.00 to 50.00
Adiantum	.25 to 1.00	.25 to 1.00
Smilax	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus, & Spreng (100 bunches)	10.00 to 20.00	10.00 to 20.00

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Rochester, N. Y.—T. T. Fryer of the Tajimi Co., New York; C. J. Ford of A. Herman Co., New York; Julius Berg, New York.

Philadelphia—Albert Carr, Kingston, Pa.; P. Joseph Lynch, New Castle, Indiana; John Halliday, Halliday Bros., Baltimore, Md.; Mr. Stackhouse, Poehlmann Bros. Co., Chicago, Ill.

Chicago—Mrs. Fulsinger, mgr. West Side Flower Shop, Racine, Wis.; R. G. Corwin with Miami Floral Co., Dayton, O.; Julius Winter of Ozark Seed & Plant Co., Nashville, Ark.; Miss Risberg with H. W. Buckbee, Rockford, Ill.; Mr. McAniff with the Kirkwood Florist Co., Des Moines, Ia.; Harry Balsley, Detroit, Mich.

Washington—L. D. McNeff, New York City; Joseph J. Goudy, H. A. Dreer, Phila.; Nettie L. Parker, Pyfer & Co., Chicago; Mary E. Parker, Joliet, Ill.; S. H. Bayersdorfer, Phila.; H. W. Franke, George L. Bruffey & Co., University, Va.; Morris M. Cohen, New York; Miss Anna Remley, New Orleans, La.; H. Cheeseman, R. M. Ward & Co., New York.

During Recess

P. J. Foley's Fishing Party

Fishing stories are always unusual and those told by the party that went from Chicago to Lake Geneva last week are no exception. According to their reports the fishes were the smallest and the bites the fewest ever known on a P. J. Foley fishing expedition. It was August Poehlmann's first attempt and after patiently waiting from 5 a. m. till 5 p. m., he says he landed a bass six inches long and was satisfied, for it was better than P. J. had done. John Furrow of Guthrie, Okla., and John Stuppy of St. Joseph, Mo., saved the day by catching a half dozen between them. "Better luck next time."

CATALOGUES RECEIVED.

H. G. Hastings Co., Atlanta, Ga.—Catalogue No. 54, Fall 1917. Largely devoted to cereals and vegetable seeds. Fully illustrated. Cover in colors.

V. Lemoine & Son, Nancy, France—Special list No. 190, for July, 1917. Delphiniums and herbaceous paeonies, including some sensational novelties. An Autumn Catalogue will be issued in September.

ROCHESTER VACATIONISTS.

Miss Ethel Forster of Geo. B. Hart's is spending her vacation in Pennsylvania. Miss Lillian Wheeler of Kaelber Inc. is spending her vacation in New York and Atlantic City. Albert Young of H. E. Wilson's is at Atlantic City. Miss Margaret Mullen is in Canada and Miss Tessie Whitman is at Sodus Bay, N. Y. H. B. E.

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SITUATION WANTED. By expert grower of Christmas and Easter Stock, Orchids, Cut Flowers, Tomatoes, Fruit and Vegetables under glass. Can take charge of large place, trade or private. Able to handle help. First class references. Nineteen years' experience. Single, age 33, disengaged. Address "H. V.," care of **HORTICULTURE**

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The purpose of this book is to aid those who are planning gardens and country places to visualize problems similar to their own and to see how a landscape architect would solve them.

There are twenty plans of model gardens and places in the book with directions and planting lists for each. The plans are wide in their variety ranging from boulder walls, arbors, poppy beds, and special borders to the different kinds of formal and informal gardens, rock, water, woodland, Japanese, annual, and wild flower. Photographs illustrate the basic idea of each plan.

The author says of the book in his introduction:

"A rough plan, even if very incomplete, will often be far more helpful to explain arrangement and grouping than will pages of printed instructions. But so as to help make these plans more definite, an actual piece of property was in mind in each case.

"Supposing, then, that the main features on our imaginary piece of ground have been decided upon, he can refer to the blue prints and see how, by the arrangement of our garden material, we can best add to the natural beauties of the ground and give them the touch of human hands."

A final chapter gives information on the practical side of gardening—the trees, plants, shrubs, vines, etc., for various conditions, cost estimating, time for planting, and other details. 20 blue print plans. 32 pages of illustrations. **Net \$2.00.**

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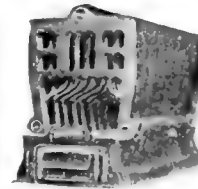
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NEW YORK, N. Y.**GREENHOUSES BUILDING OR
CONTEMPLATED.**Grinnell, Ia.—David McBlain, house
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additions.Houston, Tex.—Atwood & Fagen,
house 35 x 100.North Warren, Pa.—Victor Offerlee,
range of houses.Albany, N. Y.—Fred Danker, Central
ave., one house.Andover, Mass.—J. H. Playdon,
Stearns house 16 x 100.Watchung, Ct.—A. S. Nodine, Meriden
road, house 20 x 100.Springfield, Mass.—William Schlatter
& Son, 437 Bay St., additions.The Philadelphia office of the King
Construction Company reports the
following recent contracts.

Curved glass eave greenhouse 18 ft. x 50 ft., Dr. Archibald G. Thomson, Ardmore, Pa. Curved glass leanto 12 ft. x 34 ft. for Watson F. Fuqua, Jenkintown, Pa. Range of houses for George C. Thomas, Jr., Chestnut Hill, Pa., consisting of one curved glass eave house 25 ft. x 84 ft. divided into three compartments; one, 25 ft. x 59 ft., divided into two compartments; propagating house 11 ft. x 17 ft. and service building 25 ft. x 26 ft. Brick walls will be used throughout in this construction, pannel vents being worked in the walls for bottom ventilation. All benches will be strictly sanitary type, having galvanized pipe frames with tile bottoms and slate sides. Curved glass eave house 18 ft. x 58 ft., in two compartments, for Eugene DuPont, Greenville, Delaware. Iron frame house 24 ft. x 34 ft. for C. C. Harrison, Jr., Villa Nova, Pa. Materials for house 21 ft. x 100 ft. for the U. S. Department of Agriculture at Beltsville, Maryland. Materials for semi iron frame house 21 ft. x 150 ft. for R. Jamison & Sons, Germantown, Pa. Materials for house 18 ft. x 25 ft. for Robert D. Weaver, Washington, D. C.

PUBLICATION RECEIVED.

The sixty-fourth annual report of the Massachusetts State Board of Agriculture for 1916, two volumes, has been issued. Volume one contains the reports of various officers and the returns of the incorporated agricultural organization. The report of the State Nursery Inspector is quite lengthy

CYPRESS GREENHOUSE STOCK

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60	10 in.	.55	6.00	45.00
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W. H. ERNEST
29th & M Sts., Washington, D. C.

The Florists Hall Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars address
JOHN G. ESLER, Sec., Puddle River, N. J.

and is largely devoted to the problem of the pine blister rust. Vol. 11 gives in full the lectures and essays delivered at the annual meeting of the Board at Springfield. Some are well illustrated and all are very instructive.

MASTICA

For Greenhouse
Glazing
USE IT NOW

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NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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Be on the safe side. Do business with a house of reputation and character. Get on the band wagon and know that your dollar is buying the most that can be had.

SEE US AT THE CONVENTION and tell us what you WOULD LIKE to build. Perhaps we can show you a way to do it.

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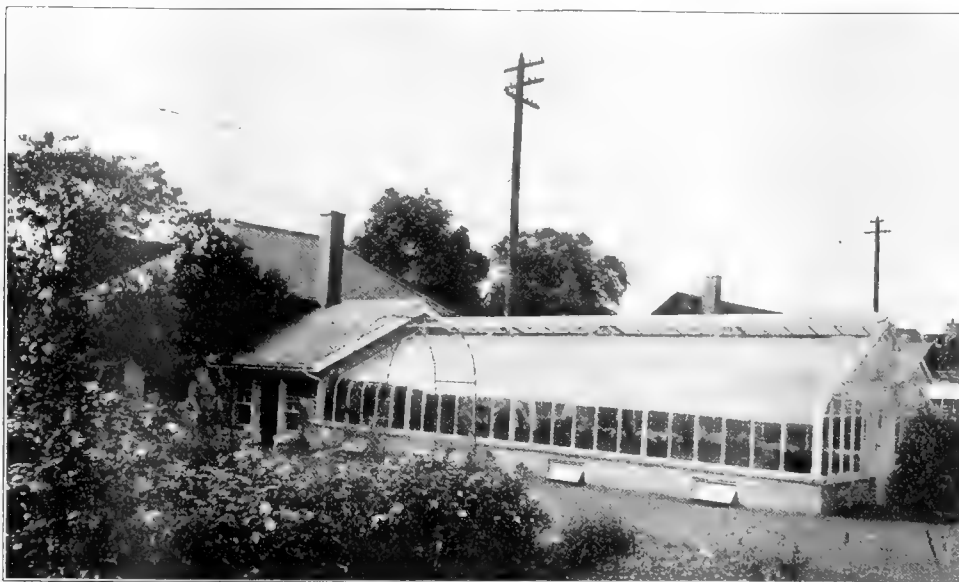
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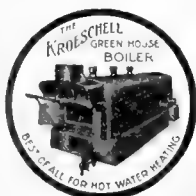


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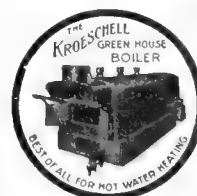
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are credited with many remarkable greenhouse heating records. They are acknowledged the best built, most easily installed boilers. Time and again they have proven to be the



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Any kind of fuel will do the work. All parts easily accessible, greatly facilitating rarely necessary repairs. Ask for all the facts about the best hot water and steam boilers made.

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"There is any quantity of keen competition in green-

house building, and one can get them built for any old price. But do not overlook **quality**, which we so often do. When you get quality in greenhouse building, it means from the nails to the boilers, and from the boards in the benches to the sash bars, glass and paint, putty and all.

"In each instance Lord & Burnham have given me both quantity and quality."

(Signed) A. L. MILLER.



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The last house is 28x200 feet.

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Des Plaines, Ill.

Vol. XXVI
No. 8
AUGUST 25
1917

HORTICULTURE



Charles H. Totty

President elect, Society of American Florists and Ornamental Horticulturists

Published Every Saturday at 147 Summer Street, Boston, Mass.
Subscription \$1.00

Burpee's Sweet Peas

NEW EARLY OR WINTER-FLOWERING SPENCERS

With a keen appreciation of the splendid future of the Sweet Pea and particularly of New Early Winter-flowering or Long Season Spencers, we began crossing the Spencer-flowering Sweet Pea with the Early or Winter-flowering Grandiflora as far back as the summer of 1909. Later we have been using that magnificent Australian variety, "Yarrowa," to a great extent in our crosses.

We now offer with the greatest confidence the splendid Novelties listed below. These are all true, thoroughly fixed in type and are a great improvement on the various colors.

From sowing made under glass in August they may be flowered in time for Thanksgiving. September sowing will produce the first of flowers by Christmas. If grown in the open they flower several weeks ahead of the standard or Summer-flowering Spencers, and with proper treatment continue to bloom quite as long as that type.

Nine of these varieties were awarded nineteen Certificates of Merit by the following: Pennsylvania Horticultural Society, Philadelphia; American Sweet Pea Society, San Francisco; The International Show, New York.

FORDHOOK PINK

A distinct shade of pink suffused with lavender throughout. Flowers of large size, exquisitely waved, and usually produced in threes and fours on long stems. Particularly pleasing under artificial light. Oz. 85c., lb. \$8.50.

BURPEE'S EARLY SWEET BRIAR

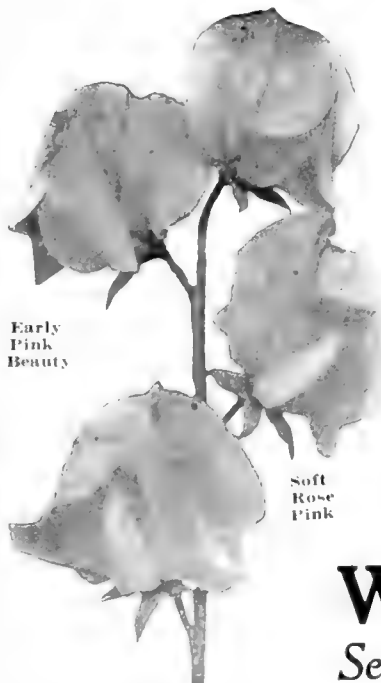
A most distinct and charming variety. The flowers are of good size with great substance, and usually borne in threes and fours. Color, a lovely shade of pink throughout, but with a soft salmon or amber suffusion, this being more accentuated in the younger flowers and buds. A very strong grower and most prolific. Pkt. (20 seeds) 25c., less 1-3.

BURPEE'S EARLY KING

A glowing, rich, bright crimson. The flowers are of great size, perfect form, averaging fully two inches in diameter, and are produced freely in threes and fours on strong stems of great length. ½ oz. 75c., oz. \$1.25, lb. \$12.50.

FORDHOOK PINK AND WHITE

The most popular color in early-flowering Sweet Peas. Similar to the old Blanche Ferry, having a bright rosy-pink standard with creamy white wings, lightly suffused rose. The immense flowers often measure fully two and one-half inches in diameter, while the form is perfect, the beautifully waved blooms being carried on stiff stems of great length, usually in threes and often fours. ½ oz. 75c., oz. \$1.25, lb. \$12.50.



Early
Pink
Beauty

Soft
Rose
Pink

BURPEE'S EARLY LAVENDER KING

This glorious new variety is a rich, true, deep lavender throughout. Flowers of large size, beautiful, true waved form, and borne in threes and fours on stems of great length. Awarded Certificate of Merit at the International Show, New York, March 20, 1915; The Pennsylvania Horticultural Society, March 23, 1915. Pkt. (20 seeds) 25c., less 1-3.

BURPEE'S EARLY ENCHANTRESS

Immense in size, measuring two and one-half inches in diameter; exquisitely waved or frilled, well placed on stiff stems, usually in threes and fours. Color most attractive and pleasing. Bright rose-pink, becoming deeper toward the edges of standard and wings gradually softening in tone toward the center of the flower. ½ oz. 75c., oz. \$1.25, lb. \$12.50.

BURPEE'S EARLY LOVELINESS

Color, white, the entire flower being suffused soft pink until it reaches the edges, which are distinctly picoteed with rose-pink. A flower of immense size and great substance, beautifully waved and usually produced three or four on the longest stout stems, ½ oz. 75c., oz. \$1.25, lb. \$12.50.

BURPEE'S EARLY SNOWSTORM

This truly magnificent pure white variety is the best white seeded Early-Flowering Spencer yet introduced. Flowers of great size and substance, beautifully waved, and borne in great profusion. Stems are long, usually carrying three or four flowers well placed. Snowstorm is an appropriate name, as the plants become a perfect mass of snow-white flowers. Pkt. (12 seeds) 25c., less 1-3.

BURPEE'S EARLY PINK BEAUTY

A soft rose-pink on white ground, richer toward the edges, gradually softening in color as it reaches the center of standard and wings. Flowers of great size, beautifully waved, immense stems, usually carry three or four of the magnificent blooms. ½ oz. 85c., oz. \$1.50, lb. \$15.00.

BURPEE'S PRIMROSE BEAUTY

An attractive shade of deep primrose, flushed with rose. Flowers of great size and splendid substance, beautifully



Lavender
King

waved in true Spencer form. ½ oz. 85c., oz. \$1.50, lb. \$15.00.

FORDHOOK ROSE

This lovely variety is a charming shade of rosy carmine. The flowers are of larger size and usually borne in threes and fours on long, stiff stems. ½ oz. 75c., oz. \$1.25, lb. \$12.50.

BURPEE'S ROSY MORN

A magnificent flower of great size and substance. Flowers grown under ordinary field culture have measured fully two inches in diameter. The color is a pleasing shade of rose with crimson-scarlet standard, while the immense flowers are usually borne in threes or fours on stiff, long stems. Oz. 85c., lb. \$8.50.

BURPEE'S EARLY SANKEY

This truly magnificent white was awarded a special Silver Medal when exhibited at the great International Show in New York, March 20, 1915, also Certificate of Merit at the Spring Show of The Pennsylvania Horticultural Society, Philadelphia, March 23, 1915. Black seeded. ½ oz. 85c., oz. \$1.50, lb. \$15.00.

YARROWA

We first exhibited this novelty at the great International Flower Show in New York, March, 1914, where we were awarded a Certificate of Merit by the American Sweet Pea Society. From seed sown in early October at Fordhook Farms the plants came into bloom December 20, and bloomed profusely until May. The color is a bright rose pink with a clear, creamy base. Floradale Grown Seed exclusively. Oz. 80c., lb. \$8.00.

W. Atlee Burpee & Company have long been famous as American Headquarters for Sweet Peas and, in addition to the Early or Winter-Flowering Novelties listed above, we are in a position to supply a wonderful list of Standard or Summer-Flowering Spencers.

We were the first to introduce the Spencer Type into America, and such famous varieties as King White, Flory Cross, Primrose Spencer, Apple Blossom, King Edward Spencer, and many others. All our introductions serve to justify our claims, and each year many new varieties are tried out, but only those which prove themselves of exceptional value are offered to our customers.

Send us a list of your requirements for special quotation

W. ATLEE BURPEE & CO.
Seed Growers
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BEGONIAS

Luminosa, Erfordia, Gracilis Rose.....2-in. \$2.00 per 100, 3-in. \$3.00 per 100

COLEUS

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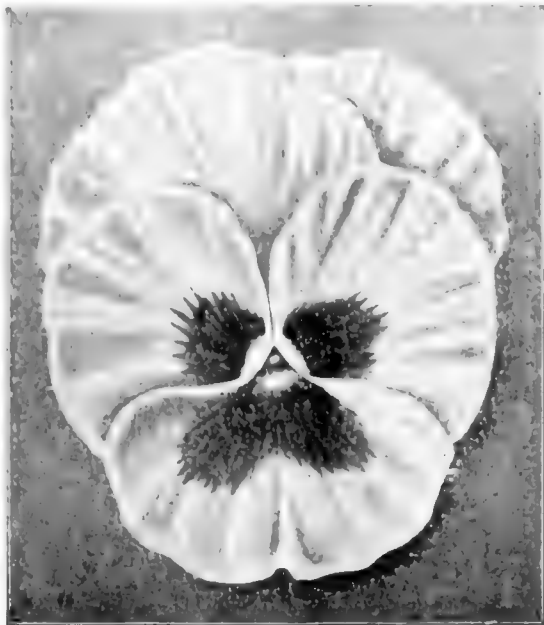
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—Pope.

Amaryllis

Hippeastrum vittatum by this time can be given a rest of five or six weeks, the regular watering being discontinued so as to keep them quite dry, but not enough so as to cause a shriveling of the roots. It can easily be forced into flower by Christmas and would be a very attractive plant for the holidays. A great number of these bulbs will throw from two to three spikes which will bear from four to six fine flowers. When the season of rest is at an end which is generally marked by the appearance of a new growth, they can be repotted in any fairly rich sandy soil. Give them a steady temperature of about 68 degrees. When starting into growth give them a bench in a house that runs at 60 degrees at night and they will come along in good shape.

Care of Geraniums

Now is a good time to put in a batch of cuttings; they will make first-class 4-inch pot geraniums by Memorial Day. You can place them singly in 2-inch pots of sandy loam, or, to economize space, use flats three inches deep, with a good drainage and filled with sharp sand. Water the sand well and then cut lines with a piece of thin steel or a mason's trowel and place the cuttings in at the rate of 125 to 150 to each flat 24x12x3. Trim the leaves off the cuttings quite closely. If they are sappy let them lie and dry over night before placing in the sand. Stand the flats on a shelf. Give them the full sun and water moderately after the first soaking, to prevent shriveling. These cuttings will make a mass of fibrous roots and can be put in 3-inch pots in January and later shifted to 4-inch pots. If you decide to place them singly in 2-inch pots it is better to shift first to 3-inch and later to 4-inch. Large shifts do not pay.

Ferns

Those who made a practice of planting out their Boston ferns during the summer months on benches should lose no time in getting the stock potted up. The average florist retailing his stock has use for Boston ferns from 4-inch pots up to 12-inch pans and it is well to make up what will be needed in the larger sizes when lifting the plants. They can stand a good deal of sun and plants which have had a rather cool house and but little shade will be more satisfactory as house plants than soft stock. When potted up keep the atmosphere moist by damping down. There is no trouble in getting made-up plants established in a very few days if they are kept in a shady house. Don't let them remain there any longer than necessary, or they will become soft in growth.

Home-Grown Shrubs for Forcing

Those who planted their shrubs in good rich ground, with proper care afterwards, such as a good dressing of manure in the fall and bone and wood ashes applied in the spring will grow fine shrubs in two or three years by using good size stock, so make a plantation now. Flowering almonds, hawthorns, *Pyrus japonica*, deutzas, exochordas, philadelphus, prunus, spiraeas, lilacs, viburnum, etc., are all useful subjects. Where you have been growing this stock for forcing now is the time to dig them up with all the roots possible, and pot firmly. This will give plenty of time to become established before the cold weather sets in. They should be stood in some place that is handy so they can be watered when they want it, and an occasional spraying will put them in condition for use. When done at this time they will soon take hold of the new soil with a lot of new roots. Before winter sets in they should be plunged in some deep frame until wanted.

Lilium candidum

When received they should be immediately potted up. Any good fibrous loam enriched to about one-fifth of its bulk with some well rotted manure will grow them. The best place for these bulbs is a cool airy frame until the foliage becomes green and firm. Leave them out until they get a good freezing. This lily should be potted as soon as the bulbs are procured, which is about this time, in order to have the best success with it. Bulbs that are kept as late as the end of September make both roots and leaves, and while they will still make fairly satisfactory flowering plants they cannot equal the earlier potted ones. It forces better after January 15 and if good results are expected it should not be attempted before that date. The temperature should run at night to about 50 to 55 degrees. Many failures in the culture of this lily are due to the growers persisting in treating it as they would *Harrisii*, which is entirely wrong. See that they do not become dry while out in the frames.

Reminders

Take advantage of cool evenings for fumigating or sulphuring for mildew.

Bouvardias for early flowering may now be left to bloom, no further pinching being needed.

In pruning pelargoniums cut back within a few eyes of the old wood, but not quite to it as it does not break freely.

Ripen the growth of spring flowering dendrobiums by exposure to sun and air, in a light cool house or outside.

When planting mignonette from the small pots see that the balls are previously moistened and avoid breaking them.

Next Week:—Care of Carnations; Chrysanthemums; P

elargoniums; Sowing Cyclamens; Violets; Reminders.

HORTICULTURE

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HORTICULTURE is well pleased over the rejection by the S. A. F. Convention of the constitutional amendment vesting the appointment of the national secretary in the Executive Board instead of en-

A democratic stand

trusteeship with his election annually. Our

national secretary has already been elected and in the columns we do not regret to see them, but our conviction was strong that the change would be as unwelcome from the standpoint of the individual members and that there was no exigency which called for the action contemplated and we are glad to see that the members present and voting were of the same mind by so overwhelming a majority.

To be encouraged

A very commendable custom which seems to be growing, particularly in the West is that of providing for greenhouse facilities in connection with school buildings. Especially in Chicago and westward is this coming into vogue in the planning for new high school structures, many architects strongly favoring it. A knowledge of the life cycle of plants gained by observation and study of the living object in this manner is far preferable to that gained through herbariums and books alone. Whenever opportunity occurs for influence in that direction and suggestion to school committees or others having to do with such matters we hope the local florists whether growers or dealers will not let it pass without due attention. Plants under glass are the natural sequence to the interest in outdoor gardening which is now so well established as an essential part of the modern school system.

"Your duty and mine"

The report by W. F. Gude on behalf of the Committee on Tariff and Legislation which we publish in full will be found very interesting by a large proportion of our readers and is well worth a careful perusal. For anyone who has not realized how much of serious and really needful work lies before the national Society this report will furnish food for convincing thought. We regard it as one of the most important documents presented to the S. A. F. in many years. Mr. Gude's committee has been rendering a most valuable service to the trade and the work being done is a strong factor in the recognition and prestige which our national Society has attained in circles of influence and authority. It is the duty of every individual engaged in any horticultural industry to rally to the support of the Society so that the workers can feel and show that they have behind them a strong and aggressive constituency who are not to be despised or ignored when they voice their justifiable protests against grievous conditions and oppressive legislation and their vital interests are ruthlessly placed in jeopardy.

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur C. Ruzicka

Rush the Staking

With the planting and the cutting back all done now, the next thing to tackle is the staking and tying. This should be rushed through now before the plants get too far ahead although a little lying around will do them good, inducing a great many bottom breaks which would not come if the plants were straight up. With the prices of stakes way up in the air it will be well to tie some of the roses to wires, being careful to pick out strong growers such as Ophelias, White Killarney, Shawyer and a few others, although the latter had better go on stakes unless it can be handled just so on the wires. Have all the wires for stakes directly over the row, and see that the stakes are put in straight. It does not take very much longer to do the work right and the finished job is certainly worth the little extra effort. Put braces at least fifty feet apart to hold the wires in place and keep them rigid while the plants are being syringed or shook after syringing. On wide benches with five rows of plants or on a three-row side bench it will be best to tie all the plants to the stakes before the two front rows of stakes are put in. Use good string for the first tying, as it has to last at least a year, and if the variety is such that it will be run for another year or two, these strings will stay right on, and the plants will not have to be tied when they are pruned and started again for seasons to come. The same good string should be used to tie stakes so they will stay tied for at least three years as it often happens that roses are grown as long as that without being transplanted. In tying be careful not to bunch up the plants too much as this would mean lost foliage, and trouble with spiders later. Tie each shoot separately and never put a string around the whole plant. Try to tie just below the second eye when tying flowering wood; this way the cutter can always cut one eye above the string and thus save time.

Soil for Winter's Potting

The propagating season will be here before we know it, and if there is no suitable soil on hand the growers will be under a severe handicap, as it is no fun at all to have a big lot of cuttings ready for pots and no suitable soil to use. Sod that was left over after the wheeling was done is ideal and if there is a supply of this one need look no further, merely hauling it in or covering it up with manure or litter after the first few frosts. If, however, there is no soil on hand no time should be lost to put up a heap of suitable size, using manure that is partly decayed. As soon as the heap is up, turn the hose into it to soak it good and then turn it over in a week or two, being careful to mix the manure well with the sods, and as the soil is to be used for potting, chop it up as fine as possible, leaving the heap with a flat top to catch all the rain, and

if it is not frequent enough to keep the soil moist, turn the hose in once a week. This will help decay and the soil will come into condition much sooner than if heaped up dry and left to itself.

The Propagator

If the propagator is not used for growing some fall crop, and still holds last winter's sand and other odds and ends, it should be cleaned out at once, and if not wanted right away, the benches should be washed out, whitewashed, cleaned underneath, lime scattered around freely, and then left until the house is wanted. The benches can then receive another coat of lime to which some copper sulphate is added and the house is ready for use. Do not neglect this cleaning any longer. It will mean better success in rooting cuttings. Just try it and see.

Rose Growers' Vegetables

There are little odds and ends in vegetables that can be grown in corners and cross-houses with a little care. Among these are tomatoes and seed of these should be started soon. Select some good forcing variety, as these will produce good tomatoes and hardly any vine. Do not give them too much soil, and confine the roots to a limited space, giving only a moderate amount of water. They will not do as well as they would in a regular tomato house, but they will do fairly well. Lettuce can easily be grown as well as cauliflower. Beans are not always a sure crop in rose houses but often turn out well. Green onions can be had all winter by planting either seed or sets at regular intervals, as can spinach, beets and carrots, using the French forcing variety of the latter. These things are very little trouble, but a great pleasure to people fond of vegetables. Try a few this winter.

Fumigation

Do not let Mr. Greenfly and his flock infest the rose houses. As soon as a sufficiently cool night comes along, give them a dose of smoke, either tobacco stems or some of the tobacco papers advertised. The plants can also be sprayed which is rather difficult while the ventilators are wide open. The fly will make his home right under the leaves where it is almost impossible to reach him with the spray, while smoke will go anywhere. Always fumigate right after watering, i. e., smoke the night after having watered the day before, trying if it is at all possible to syringe on the day following the night of fumigation. The hose will take care of whatever fly was not quite killed by the smoke. See that there are no weeds under the benches to breed the fly or house it when it is knocked off the benches while syringing. Most of the nicotine extracts and other prepared insecticides are very highly concentrated and should be used with great care, never stronger than recommended at first. If you decide to spray, see that the plants are wet enough at the roots, and then do not spray until toward evening unless the day happens to be cloudy. Fumigating during thunderstorms is ideal as it is cool enough, the rain completely sealing all openings in the glass. The temperature inside should be below seventy before the houses are fumigated and even then they should be opened in about an hour. If stems are used be careful not to let them burn with a flame as this would make hot smoke which would be likely to burn the plants. Fill the houses evenly and densely, not having the stems too wet, for this would make a lot of steam which kills the power of the smoke.

THE CONVENTION DAY BY DAY

A Moderate But Very Representative Gathering From All Sections—A Fine Trade Exhibition—Detroit Selected For 1919—The Constitutional Amendment Defeated

Officers Elected:

PRESIDENT—Charles H. Totty, Madison, N. J.

VICE-PRESIDENT—L. Jules Bourdet, St. Louis, Mo.

TREASURER—J. J. Hess, Omaha, Neb.

SECRETARY—John Young, New York City.

DIRECTORS—C. E. Critchell, Cincinnati, O., and
Joseph Manda, West Orange, N. J.

The Convention of 1917 was called to order promptly at 2 o'clock on Tuesday, August 21, in the Grand Central Palace, New York City. Seated on the platform along with the present officers of the S. A. F. were the following named ex-presidents: James Dean, Robert Craig, Patrick O'Mara, J. K. M. L. Farquhar, Wm. J. Stewart, E. G. Hill, Frank Traendly, George Asmus, R. Vincent, Jr., and W. F. Gude.

George E. M. Stumpp, president of the New York Florists' Club voiced a welcome on behalf of the Club and was followed by S. A. F. Vice-President A. L. Miller and a representative of Mayor Mitchell, the Mayor being unavoidably absent, both of whom extended a glad and courteous welcome to the visitors. Robert Craig responded for the Society in eloquent vein as only this "silver-tongued orator" can talk. He spoke of the notable growth of the S. A. F. and the prestige and dignity to which it had attained and called upon the young men of American horticulture to rise to their opportunity to take up and forward the work so well begun by the past generation.

President Kerr then took charge of the meeting amid much enthusiastic applause and proceeded to read his address, as follows:

PRESIDENT'S ADDRESS.

We are gathered here today, in this, the greatest American City, an assemblage of loyal members to a great organization. We have come from the far West, North and South to this extreme Eastern City, and those who have come in these unsettled times, show their loyalty to this organization, and their firm belief in these United States.

It is with much happiness that we assemble in this spacious Auditorium, with the evidences of the fact, that we are all Americans, owing allegiance to but one flag, and that, the flag of the

American Fathers, the Stars and Stripes, the symbol of free government, the Red, the White, the Blue. Here, we renew our pledges to stand by the great and good man, Woodrow Wilson, and wherever he leads, we will follow, to uphold the rights of this, our American Country, and when this terrible struggle is over, we hope it will bring peace and comfort and plenty, to every nation for all time.

In these strenuous times, my brothers, it behooves us as true American Citizens, to conserve our resources in every way possible, to be able to meet any demands that may be made on us during this terrible struggle, and to be able to respond quickly, to every call of our country. Never before, were conventions apparently so handicapped, as the ones that are called this year. But after all, it is a great test for us all, for surely it has developed stability and independence, and yet with many handicaps, we assemble today, in what I hope to be our greatest Society of American Florist Convention; perhaps not the greatest in number present, not the greatest in lavish entertainment, but I hope the most efficient, through our opportunity for real results.

Our Conventions in the past, have been most efficient, but at this Convention, the opportunity is provided to help, not ourselves, but to prepare to help and comfort our brothers in the craft, in this World War Country, over there.

We are given the opportunity to make this Convention different, and distinct from all others. We have all appreciated each Convention, each type of man that serves, and it is with the same spirit of appreciation of the circumstances that makes this, a Convention different from others. Old methods and manners are changing, in fact, must change, and is it not well that the Society of American Florist should be put to the test, and show all, that our National Conventions do not de-

pend on entertainments. And I am proud of the fact, that the Convention over which I am allowed to preside, shows that loyalty to service.

Membership.

Time has flown fast, during the past and most eventful twelve months, since this great organization honored the South, and especially Texas and Houston with our Convention. From Boston in the extreme East, to San Francisco in the extreme West, to Houston in the extreme South, is record of which any organization may be proud. And I feel particularly proud of being so closely associated with this organization, when we are making such great progress and advancement.

As our charter indicates, we are a National organization, and when you journeyed to San Francisco, you not only showed that we were National in name, but created new interest thereby adding both numbers to our membership, and money to our treasury. Then you voted the Convention to Houston, and it was another instance of increased membership, and increased treasury. One of our Trades papers commenting upon the Convention, West and South said; The Society will return to the East by slow and easy stages. The South is often considered slow, but in this case, we have not been so slow, for we are this day delivering the Society again to the East, and I trust that you will find its affairs in even a better condition than upon its departure from Boston to San Francisco, and in return for our loyalty to the Society, we trust you will honor both the West and the South, with the Convention in our midst, in some near future day.

While the increase in our membership during the past year has been satisfactory in numbers, compared to previous year records, it is astonishing that there are numbers of our profession, who are not members of this or-

ganization. And there is no excuse for this state of affairs. There are many lines of activities in our organizations that have done much to elevate our profession, and all members of our craft, who are deriving a direct benefit from this work, and are not loyal to the cause, or I might add, if you please, are "slackers."

It is my intention not to unnecessarily criticize, but I must say that we have a weak point in our organization. Instead of having 2,000 members, we should have a National organization in numbers, say of 10,000 from every corner of the whole United States. The great work that is being done by this organization, should interest every man in our profession, and due to the fact that he is not a member, shows our weak point. The majority of our State Vice-Presidents are active, and doing a commendable work, but some are inactive. I have sent out many letters during the past year, trying to stir up interest, and a few State Vice-Presidents do not even reply, others reply, pleading too busy. We do have a number of hard workers who get results, and I notice that these are usually the busiest men in our profession. But these conditions must be remedied. We should provide ways and means of reaching the non-members, and putting before them the necessary information as to our activities.

In going over the reports of Past Presidents, I note that recommendations were made to the members to get active individually; this, of course, is very necessary, but we are not getting results as we should, and we must find even a better way in which to work. Now as to the methods to use to overcome this obstacle would be hard to work out, without considerable study, and I recommend to the Society that a committee be appointed to devise ways and means for an efficient membership campaign that will bring results.

National Flower Show.

When the Society adopted in Houston, an amendment to our by-laws to place within the power of the Executive Board the changing of the date of our meetings, I feel that this was a great step forward; more particularly will it give us the opportunity to try out the holding of our Convention and National Flower Show in conjunction. Our first combined Convention and Show will be held in St. Louis in the Spring of 1918. This will demonstrate to the members the feasibility of the plan. This plan has been discussed by our most able and conservative members on both sides of the question.

I predict that this new arrangement in the conduct of our annual meetings, will see a decided change in the interest taken in our work. The time has long past when our members want only entertainment and good times at these Conventions, but instead, they want information along all lines. They want to return home with new ideas that will assist them in furthering their business. I predict that the new plan will stimulate both in attendance and membership. The year following the St. Louis Convention, we will hold a Summer Convention, and this will reach the members who cannot attend the Spring Convention. To my mind,

this would be a wise plan to follow in the future. I want to take this opportunity of commending the Chairman of the National Flower Show, Mr. George Asmus, and his most efficient committee, for their most excellent service rendered to the Society. Members who are not in close touch, little realize the great volume, and I mean volume, undertaken and carried out by this committee, nor of the tremendous responsibility that rests upon their shoulders. The National Flower Show has been the means of rapidly increasing our treasury, by putting dollars in our treasury from the Philadelphia Show: while the finances are secondary, these shows must be made profitable if we expect to continue them. The shows are of a wonderful educational value to the flower buying people. There is no better medium by which we can increase the sale of flowers, than by holding these shows in different sections of the country.

In conclusion, I wish most heartily to recommend the holding of our National Flower Shows every two years, and that the National Flower Show committee carry this into effect as soon as practical.

School Garden.

I have been watching with interest, the good work accomplished by the most efficient chairman of our School Garden committee: Benjamin Hammond. He seems to be peculiarly fitted for this work. The minds of our people are rapidly turning into the direction of more home products. It has been proven that the way to reach the parent is through the children. If the children are interested in floral and horticultural work, then the parent cannot help but soon become enthused, and encouraged in the work. Aside from beautifying the home, it forms habits of training and uplift, that has no parallel in the shaping of the character of the children. My only regret is, that this work is not taken up in every school in these United States. I trust that we will lend every encouragement to further the work along this line.

Convention Gardens.

Due to the holding of the Convention and National Flower Show at the same time in St. Louis in the Spring of 1918, it will be necessary to dispense with the Convention Garden, for that year. But I am confident that this will add more interest in the garden the coming year. Having these gardens every two years will give more time to the preparation, and we can have even a better display than heretofore. It is hardly probable that we can improve on previous gardens, and such as the one we have the pleasure of viewing this year in New York, but as time goes on, and our profiting each time, by past experiences, we will be encouraged, and this will be one of our leading features at our Summer Conventions.

Legislation.

It is strange to say, but is nevertheless true, that unless we are continually on the alert, there is likely to be passed, laws that will be of serious detriment to our profession. I will call your attention to the proposed drastic quarantine law, which if it goes into effect, will practically eliminate the importation of all foreign stock; if

not for the alertness of our legislative committee, this law will likely pass.

I also want to call your attention to a matter that will be presented to the Interstate Commerce Committee, allowing the Express Companies a delay of twenty-four hours on Cut Flowers, as a reasonable delay in transportation. The florists of the country realize the extreme heavy loss this would mean in the transportation of their stock.

There is at this time, a great need for a uniform Interstate Inspection law, and I would urge upon the Legislative Committee to work in connection with the Nurserymen Committee who have already started the movement to get this matter adjusted.

These are just a few of the numerous things that confront this Committee from time to time, and regardless of this committee's effective work, I have had a number of live Florists ask me, "What good is there to be derived from being a member of the Society of American Florists?" I want to thank personally here, each member of this Committee, and want to urge each member of the Society of American Florists to lend his co-operation in the furthering of this great work.

Publicity.

Great men have told, and great events have been shown, how patriotism and good business, go hand in hand, in these days of America at war. The value of an even keel, and a steady pull through the rough waters of international strife has been shown in many ways. The maintenance of everyday business, in its accustomed even routine, has its magnificent part in winning of freedom for all. It is the nation's normal heart beat, pumping blood to the brain and muscles of war. This is why great minds have seen in the perpetuation of everyday business conditions, the real winning of the war. And if there ever was a time in the history of our profession, that we needed a nation-wide co-operative publicity campaign, it is now. During this time of so much publicity given to economy, we are liable to suffer, if we do not give more publicity to the use of flowers, plants and other ornamentals.

Just an example of what does happen occasionally. An article appeared in one of our Houston local papers, addressed to one of the local Charities, saying, "Find enclosed my check for \$10.00 which under former conditions would have gone for flowers, but I feel my duty to send this instead." This article was published just after the funeral the same afternoon of one of our townsmen, which article would have had its telling effect, if it had appeared in the morning paper. I am only looking at this from the view-point of my having flowers to sell, and this being my only commodity for selling and making my living—and not from the view-point that we must often take, and help willingly and liberally in all deserving causes.

Such agitation, you see, calls for us ever keeping before the public the use of flowers. We must keep the sentiments alive. We must have some means of quick action, and I am convinced that if every city will follow plans similar to those of the Chicago Club; that every Florist in the city con-

to use his pro rata to a cooperative advertisement to appear as often as they deem best on the subject of the general use of flowers. If this is done by individuals, they could sign their names, if by Clubs, then by the Club name, or follow along some similar plan.

Our Publicity Committee can be of vital importance stirring up interest throughout our whole country, by such a cooperative plan. And a movement of this kind, is very inexpensive, but very effective, deriving a direct benefit. I would strongly urge the Publicity Committee to give serious consideration to this, or some other good plan that will get immediate results. This is a time to think, and think straight. Use your head, you business men, not your hearts alone. You have got to think straight for the future, not for the present. The cross currents are strong, and sweep from whirlpools of immeasurable depth.

National Credit and Collections.

For the past two years there has been a great deal of discussion on this important subject, and these two years have been devoted to serious study and investigation, and we are now ready to get down to business. We all realize the importance of this department of our work. I am not going into detail in this matter, as our Chairman of this Committee, Mr. Patrick Welch, will present this matter in detail, and you may depend upon this Committee bringing this work into a successful operation.

Our Revenues.

We return this organization to the East, bringing to you more members, a larger treasury, the Society in a more thriving condition than ever before. And we have discussed from time to time, the feasibility and best methods for the expenditure of our revenues in such a way, that the trade, as a whole, will be most benefited.

Many times, I have been asked by a member: "What do you expect to do with this accumulated treasury?" I think we have reached a sufficient amount to give serious consideration to the proper expenditures of same, and I would recommend to the incoming board, that they give consideration to this matter. In making the recommendation, I am mindful of the fact, that expenditures through the Legislative Committee, Publicity Committee, and other important Committees, are benefiting our membership in general. But as I have studied these reports, they show that this money is coming out of our revenues each year. I am of the opinion, that revenues from our interest, should be devoted to some specific purpose, and I see no reason for further delay in this matter.

I know that the members of our organization will be exceedingly pleased to know that our Treasurer was authorized to invest \$10,000 in Liberty Loan Bonds. Undoubtedly, this shows the great patriotic spirit of our organization.

Our Patriotic Duty.

While we have subscribed \$10,000 to the Liberty Loan, this is a substantial investment, we should go further, and sacrifice something at this time for the good of the cause. Florists' and allied

interests, have enjoyed prosperity as few lines of business have enjoyed. We, as Patriotic American Citizens, should subscribe something to the cause of Red Cross. I feel that this Convention in session, should before we adjourn, subscribe \$1,000 to Red Cross, either from our Treasury, or by public subscription. I trust that this Convention will immediately authorize the appointment of a committee to recommend at our next session, the proper procedure to raise this money.

Our Secretary.

Our Society has many valuable assets, and one of these is the service of an efficient Secretary. Few members realize the great volume of business transacted through this office, which to my knowledge is transacted in a most detailed and efficient manner. The Executive Board is responsible to the membership for the work of the Secretary. Then why should it not be left up to the Directors to elect the men for whom they are responsible. You will have presented to you at this Convention, an amendment to our by-laws, which if passed, will empower your Board to elect a Secretary, instead of being elected by the membership at the Convention. Personally, I can hardly conceive of anyone objecting to this change, as it is only fair to the Executive Board. If, perchance, this amendment should fail, and at some future date, you should elect a Secretary who is incompetent and inefficient, and the affairs are not carried on as they should be in every detail, do not blame the Executive Board. The responsibilities of the Secretary of our Society are great. And I say to you at this time, that it is your duty to vote for this amendment, and give to the Executive Board, the power to elect a Secretary, and let the responsibility rest with them, as they must account to the membership for the conduct of the affairs of this office.

Co-Operation.

We all remember the old adage "Competition is the life of trade," but we live in the age of progressiveness, and we have changed the old adage to read—"Co-operation is the life of trade." Just as I began this part of my report, I had returned from a co-meeting of the Boards of two civic organizations, rivals in some respects, but both working however, to the same end, and both striving to make Houston a greater city. There had been a lack of harmony, just because we failed to get together; when we met on common ground, we discovered that there was really no cause for friction. Today, these two organizations are linked together, and will accomplish great results in the future.

The point I want to bring out is this—Get a little closer to your neighbor. There might have been a lack of harmony, but when understood, there is no necessity for friction of any kind. I will cite another instance: The Texas State Florist Association was organized, and we have close co-operation among the Florists of the State, from which we are getting wonderful results. More organizations in every state are forming each year, and these organizations should affiliate with the Society of American Florists, and through our personal co-operation, by state organi-

zation, together with our special organizations, such as our Rose and Carnation Societies, the Florists' Telegraph Delivery, and others of similar nature, centered in our Society as a National body, we should reap a wonderful result.

You have come to this Convention to make your profession more efficient, so that you can be of greater service to the world. Your object is business betterment through better methods. You serve the world, your country, and yourselves by helping with your work in facilitating all business as usual. We are always willing to help each other, and I am glad to see you are here in the spirit of helpfulness. You are here with open hearts, with warm hand-clasp, and with smiling faces, typical of Society of American Florists' Members. You are ready to give value for value. Everyone hand in hand, side by side. Your co-operation in this great National Society of American Florists in a national force for better business. You can do great things for yourselves, and for all at this meeting. We want you to do them with your whole heart—as true members, and we know you will.

At the conclusion of this address Patrick Welch of Boston, George Asmus of Chicago, C. E. Critchell of Cincinnati, Herman Knoble of Cleveland and Joseph Heacock of Philadelphia were named as a committee on the recommendations made by the President.

Secretary John Young then read his report for the year as follows:

REPORT OF THE SECRETARY.

Again I have the pleasure to report most satisfactory progress made by the Society, with a strength in membership which augurs well for the immediate future. In little more than five years I have had the satisfaction of seeing the membership increase over eighty per cent., nearly two fold. When I took office on January 1, 1912, the membership comprised 994 annual and 281 life members, a total of 1,275. On December 31st, 1916, five years later, we had 1,304 annual, 447 life, and 25 pioneer members, a total of 1,776, a gain of 501 members, of whom 166 had taken out life memberships. On August 10th last we had, presuming the 1917 dues will be paid, 1,694 annual, 496 life and 25 Pioneer members, a grand total of 2,215. I need hardly say that this growth is very gratifying to me, and must be equally so to all our members. But we are not nearly as strong as we should be, when we consider that we yet include in our membership perhaps only ten per cent. of the total number of florists in this country and Canada, all of whom should be earnestly interested in the work of the Society, which is ever in the direction of benefit for the trade at large.

We may congratulate ourselves upon the standing of our Society, both as to membership and finances, especially in these days of war and unrest. We should also bear in mind that our last two conventions were held remotely apart and far from greatly populated centers; one in the far west; the other in the far south, which, undoubtedly, cut down our prospects for a large influx of new members; yet, it is equally

plain that we made no mistake in meeting in these sections, and that our membership increased under natural rather than abnormal conditions.

I have been a little disappointed because of the small number of new members secured through the efforts of the State Vice-Presidents. While a few of these officers have given evidence of endeavor, the great majority have not seemed to be able to induce florists in their respective territories to join our organization. I have sent out thousands of pieces of mail through different sections explaining our objects and soliciting applications for membership but the results from persuasion by mail have been meagre. There is nothing like personal solicitation by the man on the spot. The Society long ago made provision for the payment of incidental expenses attaching to the office of a State Vice-President up to the amount of \$25.00, and this sum would cover the cost of quite a little missionary work.

The Florists' Telegraph Delivery is doing good recruiting work as a section of our Society, securing for us a large influx of new members. It will be noticed that we are publishing a full report of the meetings of this organization in our Annual Proceedings. Upward of 121 pages appeared in the 1916 volume. We also publish a list of their members, with addresses and names of the retail establishments represented. Our Executive Board has recommended that any appropriations for publicity work made by the Society shall be expended by the Society's Publicity Committee in conjunction with a similar committee appointed by the F. T. D. This will insure that the interests of all branches of the trade will be conserved in publicity work.

The following have sent in one or more names for membership since the last Convention:

FLORISTS' TELEGRAPH DELIVERY. 78: A. L. Miller, V. P. S. A. F., 20; Wallace H. Eiss, State Vice-Pres., 5; Patrick Welch, 3; Max Schling, State Vice-Pres., 3; H. C. Neubrand, State Vice-Pres., 2; Frank X. Stuppy, 2; Knud Knyeland, 2; Charles H. Brown, 1; R. C. Kerr, 1; Thos. Shelton, State Vice-Pres., 1; Jules Bourdet, State Vice-Pres., 1; F. C. Bartels, 1; C. H. Green, 1; Harold Joy, State Vice-Pres., 1; C. P. Mueller, State Vice-Pres., 1; H. W. Sheppard, State Vice-Pres., 1; J. J. Lane, 1; C. L. Seybold, 2.

Publicity.

Publicity for flowers and the best means of getting it is a problem your Publicity Committee has been wrestling with for some time. It is a matter requiring deep thought, and any step made must necessarily be in the right direction, otherwise expenditures on the project would be entirely wasted. Many plans have been suggested but none has yet been adopted. You will have noticed that in the report of the meeting of the Board of Directors a recommendation was made that the Society appropriate \$1,500.00 to the use of the F. T. D. to augment the fund which the latter is raising for a general advertising campaign.

Bureau of Credits and Collections.

This is another of the Society's projects in which the policy of "make haste slowly" is paramount. The committee in charge of the proposition, however, is beginning "to see daylight" and it will not be long before a working plan will be evolved. The commit-

tee is fortunate in having at its head so able a chairman as Mr. Patrick Welch.

Mothers' Day.

The Committee on Mothers' Day worked earnestly early in the year to promote a fund for advertising flowers for this day, as its report will show. In collaboration with Chairman Olson, I sent out 13,200 circular letters to florists, dealers in supplies, etc., soliciting subscriptions. The amount received was only \$571.00 and the expenditures, including postage, amounted to \$516.50—leaving a net balance of \$54.50.

Next National Flower Show.

The work of the Secretary's office in the promotion of the Fifth National Flower Show has been active for many months. I have been successful in raising the required \$10,000.00 Guarantee Fund and have published and distributed two preliminary schedules, important and necessary features of the work.

The plan to hold the 1918 Convention of the Society in St. Louis in conjunction with the National Flower Show while at first thought to be questionable policy, is meeting with hearty approval, and I am assured on every hand that it has been a wise move and undoubtedly pleases the majority of our members. The double attraction should insure a larger attendance of the trade than we have hitherto had at any of our gatherings, and the possibility of combining the usual flower show trade exhibits with the regular convention Trade Exhibition should result in a grand exposition of our florists' products, auxiliaries, supplies and accessories, as well as of everything used in the line of horticultural work, both professional and amateur.

Payment of Dues

I would particularly direct the attention of members to the fact that all dues are payable on January 1st, and should not be permitted to run until convention time. The dues are small, and remitting is easy, so why not make an immediate remittance on receipt of the bill from the Secretary's office and save the Society the unnecessary postage entailed by subsequent billings?

The Convention Garden.

I regret to say that in spite of the most strenuous efforts I could put forth interest in the Convention Garden lagged to a surprising extent, notwithstanding the great advertising opportunity presented and the fact that plantings could be continued without cost for several seasons. The support received by the Society in the Garden project this year has been meagre indeed. In this great city of New York, with its extensive suburbs where horticulture is a general hobby of the residents, plantings of novelties or meritorious varieties in plants and flowers would have obtained publicity the value of which could hardly be estimated in dollars and cents—and at such little cost.

The Trade Exhibition.

When we consider the disturbed condition of commerce, lack of transportation facilities, and other drawbacks at present in evidence, it must be admitted that our Trade Exhibition is as large and comprehensive as could

be expected. While it compares favorably with other exhibitions, had times been normal it would, undoubtedly, have been exceptionally larger.

Our Convention.

In line with recommendations made from time to time by our Executive Board that organized entertainment in convention cities be discontinued for the reason that they detract from the interest of our Society's meetings, such entertainment forms no part of our program. Feeling that a precedent might better be established in a large city, New York has set an example, the sincerity of which is unquestioned, and it is meeting the approval of the majority of our membership. If the precedent is turned into custom, very many more cities will find it their unhampered privilege to offer themselves for future conventions.

Our Committees.

I desire at this time to express publicly my appreciation of the most congenial relations which have existed between the committees of our Society and the secretary's office. Such relations I recognize to be very important in conducting the work of the Society, and it is a great pleasure to me to testify to the very great harmony prevailing. I am at all times ready to render any assistance in my power to committee work, promptly and most cheerfully.

The Trade Press.

It is also fitting at this time that I should mention the great services rendered to the Society by the trade press. Our trade papers have promptly published the large number of articles sent in by me during the past year and their unselfish assistance in our work should be recognized to the fullest extent possible.

Registrations Since Last Convention.

- No. 645. Oct. 14, 1916, Rose, Mrs. Sarah Yeats, by G. E. Yeats, Champaign, Illinois.
- No. 646. Dec. 2, 1916, Dahlia, Mrs. John Gribbel, by W. Atlee Burpee & Co., Philadelphia, Pa.
- No. 647. Dec. 2, 1916, Dahlia, Joan Kerr, by W. Atlee Burpee & Co., Philadelphia, Pa.
- No. 648. Dec. 2, 1916, Dahlia, John D. Rockefeller, by W. Atlee Burpee & Co., Philadelphia, Pa.
- No. 649. Feb. 10, 1917, Canna Evening Star, by Conard & Jones Co., West Grove, Pa.
- No. 650. Feb. 10, 1917, Canna Snow Queen, by Conard & Jones Co., West Grove, Pa.
- No. 651. Feb. 10, 1917, Canna Druid Hill, by Conard & Jones Co., West Grove, Pa.
- No. 652. Feb. 10, 1917, Canna Morning Glow, by Conard & Jones Co., West Grove, Pa.
- No. 653. April 21, 1917, Laelia Cattleya, Adela Griswold, by William E. S. Griswold, Wyndhurst, Lenox, Mass. Alfred J. Loveless, Gardener.

Necrology.

We have lost through death:

William C. Barry, Rochester, N. Y. Dec. 12, 1916; Lawrence Cotter, Jamestown, N. Y., March 24, 1917; Thos. M. Fitzgerald, Beaver, Penn., Nov. 14, 1916; A. L. Glacer, Dubuque, Iowa, April 12, 1917; C. L. Huscroft, Steubenville, Ohio, Oct. 21, 1916; T. C. Joy, Nashville, Tennessee, Nov. 10, 1916; W. L. Kroeschell, Chicago, Ills., Nov. 23, 1916; Henry M. Lehr, Brooklyn, Maryland, Nov. 20, 1917; A. C. Oelschlag, Savannah, Georgia, Oct. 12, 1916; Fred Ponting, Cleveland, Ohio, April 18, 1917; N. J. Rupp, Chicago, Illinois, Dec. 27, 1916; Henry A. Salzer, La Crosse, Wisconsin, Aug. 22, 1916; C. G. Weber, Brooklyn, N. Y., May 8, 1917; John A. Bopp, Cumberland, Md., Aug. 1, 1917.

The annual report of the treasurer was next presented by J. J. Hess, the following being a brief summary:

TREASURER'S REPORT.

Ending With July 31st, 1917.

Balance Cash on hand January 1, 1917	\$1,483.41
Permanent Fund	25,955.78
General Fund	\$47,421.92
Receipts	
Permanent Fund	\$2,289.92
General Fund	1,158.75
	\$4,448.67
	\$51,870.59

DISBURSEMENTS.

General Fund	\$6,727.87
Permanent Fund	71.50
N. F. S.	4,345.44
	\$11,144.81
	\$40,725.78

Balance on hand as follows:	
Dunkelberg Bond and Mtg's	\$5,000.00
City and Sub. Realty Co.	1,500.00
Liberty Bonds	10,027.22
Peoples' Bank	8,687.75
Real Estate Mtg's	12,085.00
German Savings Bank	801.52
German-American Bank	3,795.95
Omaha National Bank	1,127.57
	\$43,025.01

The next business was the reading of reports by Wm. F. Gude as Washington representative and as chairman of the Committee on Tariff and Legislation.

REPORT OF THE WASHINGTON REPRESENTATIVE, W. F. GUDE.

There have been many problems submitted to me during the past twelve months, some of them very unusual and only affecting one or more individuals, other matters of vital importance affecting, more or less, all of our members. Many of these matters are disposed of while other questions take months of time and much correspondence.

Botanic Gardens. Since my last report when the Society went on record as favoring the maintenance of the United States Botanic Garden in its present location, I am happy to state that through the indefatigable efforts of the Honorable Jacob H. Gallinger, United States Senator from New Hampshire, a bill has passed the Senate authorizing the acquisition of the two government reservations lying just west of the Gardens, known as East and West Seaton Parks. This addition would materially increase the area of the Botanic Gardens. It is hoped that the measure may soon become a law, for if the people throughout the country could but witness the thousands of visitors from all parts of the world that visit the Botanic Gardens annually, there surely would be no hesitancy in enlarging the Gardens at once. During the past season, there has been much of special interest to attract the citizens of Washington, and the tens of thousands of visitors to the Botanic Gardens and our daily press has been most liberal in exploiting the educational advantages of the Botanical Gardens and its influence for good to the public in general. Our whole-souled superintendent and fellow-director, Mr. George W. Hess, is ever to the front in aiding and pushing that which seems best for the uplift and education of all mankind for the more beautiful in life and it is our sincere hope that the additions asked for from Congress may be granted ere long.

Rose Gardens. The Rose Gardens at Arlington Farms have made mate-

rial progress since my last report. About 100 varieties have been added to the collections and the Garden as a whole is improving very much in appearance. The winter of 1916-17 was especially hard on the tea and hybrid tea roses and they did not look as well in the early spring as in previous years, but they have later grown vigorously and have bloomed well during the season. It has been necessary to do some re-arranging to provide more room for several types. Additional trellises have been erected to accommodate the increasing numbers of climbing roses. It was found that the rugosas were too crowded for satisfactory development so that one-half of them had to be taken out and placed in a new bed in order to give chance for development. The older climbing roses on the outside fence and the arches added greatly to the interest and appearance of the Garden this season. A large number of visitors inspected the Garden every week and on June 4th, an outdoor meeting of the American Rose Society, which was largely attended, was held in the Garden.

A Peony Garden in co-operation with the American Peony Society has been established, over 400 varieties having been planted last fall. They are making good growth and in a year or two this garden promises to be very interesting to flower lovers. The Iris collection of 250 varieties has been increased by a number of unnamed seedlings.

The hardy chrysanthemum collection now includes about 1,000 varieties. An attempt has been made to make a special collection of the most desirable kinds for this section with the expectation of eliminating other varieties as these selections prove themselves to be good. The object of the work with chrysanthemums is to find a few good early varieties as a basis for breeding others which may be relied upon for outdoor growth in more northern sections of the country without protection—varieties that would be suitable for the grounds of the ordinary suburbanite or a farm home where intensive culture and much special care is impossible. There are growing this year 5,000 seedlings from which it is hoped to get a few to bloom earlier than the average of the large collection.

Some work is also being done in the breeding of carnations and on some of the problems in connection with the propagation of roses.

I again wish to draw the attention of members to the splendid work the Department at Washington is doing for the benefit of horticulture and floriculture in general, not only in the outdoor work of the Garden, but also in the forcing and propagating lines in the greenhouse of the Experimental Gardens and Grounds on the Mall where all manner of new plants are being propagated and tried out. Mr. E. M. Byrnes, the able superintendent of the houses and grounds is ever ready to aid and assist in giving information to anyone seeking the same.

The Annual Chrysanthemum Exhibition held October 30th to November 5th, 1916 was attended by many thousands of visitors and as in the past since these exhibitions have

been held, does much towards encouraging the growing of flowers by individuals.

The past year in the florist business in Washington has been good and profitable to grower, wholesaler and retailer, notwithstanding the fact that since our last meeting our country has been drawn into this horrible war and the demand for money and men, already very heavy, bids fair to be heavier, and yet the future for our business looks bright. The work in connection with representing this large influential association is an honor of which any man should be exceedingly proud. I wish to reassure every fellow-member that I fully appreciate the honor and I tender my grateful thanks to all who have willingly rendered assistance for the benefit of the S. A. F. and O. H.

Report of Committee on Tariff and Legislature.

One of the first and most serious problems encountered since our last report was a bill prohibiting imports. The demand for the stopping of imports of all kinds of plants, trees and bulbs from all sources, comes from a small group of Entomologists, who seem to think that legislation, often ill-advised, is the solution of all evils. They do not seem to know how dependent our trade is upon other countries for such raw materials as lily bulbs, valley pips, azaleas, manetti stocks, Dutch bulbs, etc., but they think that by prohibiting these imports it will reduce the annual damage done to our crops and forests by insect pests and plant diseases. The seriousness of the matter to this organization comes from the fact that this small group of Entomologists had the American Forestry Association endorse their plan. This body has a membership of over 5,000 members, so is politically powerful in Washington. It consists largely of lumbermen, who, of course, are enthusiastically in favor of any plan which they are told will protect our forests.

Since the proposed prohibition affected the nurserymen almost as vitally as the florists, arrangements have been made whereby the nurserymen join with the florists in combating the plan, and share the expense of employing what talent may be necessary. During the summer months our Committee and the Nurserymen's Committee is to meet with the Entomological Committee in charge—and there the matter now stands.

It has been stated that the Entomological Committee would be satisfied at this time with a partial quarantine on what they term "finished products;" this would then quarantine only such items as bay trees, azaleas, boxwood, etc., but your committee has good reason for believing this would only be the thin end of the wedge—and largely used to divide the nurserymen and florists in their opposition. If this plan of the prohibition of imports is allowed to become effective, there is little doubt that the next step will be an embargo on interstate trade. Every argument that is used for one prohibition can be used for the other—and it has been frankly said by our opponents that they hope to see the time when no plant or nursery stock shipments shall be allowed passage in interstate

trade. You can imagine what such a plan would mean to the horticultural trade of the United States. Our committee has authority from the Executive Committee of the S. A. F. and O. H. to oppose this measure, in co-operation with the nurserymen and will exercise that power for the best interests of our members.

Licensed Firemen. Request for assistance have come from several states to help prevent legislation requiring the service of licensed firemen and engineers on low pressure boilers in small greenhouse plants. That would legislate many small growers out of existence. Over 100 such bills are now pending in the different states and it is impossible for our committee to handle all of them. The matter was referred to the Executive Committee for action, though the remedy must come from the growers in the affected states through their representatives.

War Duties. In last May's war revenue measures, the Ways and Means Committee of the House proposed a straight additional 10 per cent. ad valorem duty on all imports, and it was embodied in the bill passed by the House. The imposition of an ad valorem duty to items already dutiable on a specific basis, would renew many old abuses and make the importation of many of the finer varieties prohibitive. While not objecting to an increased duty, your committee demanded a specific increase on items at present suitable on a specific basis, and failing to get redress from the Ways and Means Committee of the House, it was taken to the Senate Finance Committee where the whole tariff increase failed of passage.

Express Labels, to facilitate more prompt delivery of flowers and perishable goods. In March last a number of members of the S. A. F. Executive Committee, together with Mr. Max Schling, of New York, had a lengthy interview with the vice-presidents and general managers of the Adams, American and Wells, Fargo Express Companies in reference to effecting a more expeditious handling of cut flowers. As that was on the eve of the great railroad strike, we did not make much headway, but the officials all announce themselves as anxious to help expediate the transmission of flowers by express in every way possible. Subsequently, through the indefatigable efforts of Mr. Schling the express companies allowed us to use the following label, which should do much towards facilitating delivery of express packages:

Flowers. Highly Perishable
IMPORTANT NOTICE.

Express Agent:

If immediate delivery of this package cannot be effected, communicate with consignee by telephone or otherwise, advising of arrival of shipment and say why immediate delivery cannot be made. Your assistance in expediting delivery will be appreciated.

This label is approved by

E. M. WILLIAMS,

Vice-President, Adams Express Co.

D. S. ELLIOT,

Vice-President, American Ex. Co.

F. S. HOLBROOK,

Vice-President, Wells, Fargo Ex. Co.

Under date of July 6th, we received complaints from several large cut flower shippers that the express companies were about to claim, through the Interstate Commerce Commission, that a twenty-four hour delay on cut flowers would not be unreasonable. This was referred to your Chairman at Washington, who immediately took the matter up with the Interstate Commerce Commission with the following results:

July 16, 1917.

Dear Mr. Gude:

Referring to the communication which you submitted to me, from the Secretary of the Society of Florists, I have talked with the official of the Commission having immediate charge of matters relating to rates and regulations of Express companies. He states that no communication has come to his hands requesting a ruling by the Commission in regard to the subject of claims for delays to flowers in transit. I will have the officials go further into the question and have explained that the law confers no authority upon the Commission to make a ruling of the character suggested, namely, that 24 hours is not unreasonable delay to cut flowers; that the question of what is unreasonable must be determined upon the facts in each case, and if the shipper and express company cannot agree upon the subject of a particular claim, the question must be settled in the Courts. Therefore, where a controversy arises over a particular shipment as to damage caused by delay, and the carrier denies liability, no rule that the Interstate Commerce Commission might lay down could bind the Court in its decision on the facts presented in a suit. The Commission has always avoided expressing opinions concerning questions which it would not authoritatively decide if presented in a formal proceeding before it, and it is perfectly obvious that it would decline to do so in the case mentioned in the letter received by you from the Secretary of the Society of Florists. The Commission acts within its province, and Congress has not conferred power upon it to pass upon or adjust claims for loss, damage or delay in transit. Those are claims which the Courts alone have authority to determine.

If any express company should propose a rule by tariff publication, I will keep in touch with the situation in such a way to be immediately informed, and will take such actions as necessary to secure suspension of the proposed rule, although I am confident that no tariff official or legal advisor of express companies would expect to be able to establish a fixed basis for settlement of claims for delay by traffic rules or regulations. They could have no force in law, as the Courts would still use their own judgment and proceed as now to hear and determine causes of this character, without regard to any rule or regulation published in tariffs of the express companies

Yours very truly,

J. H. FISHBACK.

P. S. A peculiar duty rests upon Express Companies in transporting cut flowers, being a highly perishable commodity, and they may not absolve themselves from liability unless they have strong justification.

Mr. W. F. Gude, July 17th, 1917.

Dear Sir:—I have conferred further at the office of the Commission with regard to the attempt of express company officials to avoid payment of claims for damage due to delay where the delay does not exceed 24 hours. I now find that shippers have communicated with the Commission informing it that they have been advised of this position of claim agents or other officials of the Express companies, principally the Adams Express Company. I understand, but this had reference more particularly to non-perishable property, and not cut flowers, and due to the fact that owing to operating conditions on railroads, traffic congestion and congestion of terminals, etc., which have existed for many months, the movement of trains and delivery of property has been interfered with and delayed.

However, as I have explained, the Commission has made no ruling on the subject, and it is not within its province to do so, as the liability of carriers for delay must be determined upon the facts in each case, and where the carrier denies liability, the question can be settled alone in the courts upon the facts presented. If any claims on cut flowers are declined on the basis explained to me, they should be taken up

with the chief executive officials, or by suit in the courts.

Yours very truly,

J. H. FISHBACK.

Embargo on Lily of the Valley Pips From Copenhagen. Last fall, your committee was appealed to by various large importers about getting their lily of the valley pips from Copenhagen into the United States. After many conferences and long delays, we were advised by the Department of State that the majority of valley pips in Copenhagen were not grown in Denmark but were German-grown and, therefore, the British authorities were not inclined to let them come through.

Importation of Azaleas. Last fall, much time was consumed between the German and British Embassies and the State Department in endeavoring to have the embargo raised on azaleas and other stock from the Ghent district on shipments into the United States from Belgian growers. This seemed to be almost an insurmountable problem and we had practically given up hope of getting the azaleas and other stock in, when we were advised that owing to a misunderstanding between the Counsellors in London and Berlin, the azaleas had been held up in error. And, when the misunderstanding was rectified, the azaleas came through.

In reference to the shipment of azaleas and rhododendrons this year, we beg to advise that we have taken the matter up with the Department of State and under date of August 2nd, 1917, we were assured that so far as the department knows there has been no restrictions or laws changed since 1916 by which azaleas have been permitted to come in, and payment made to the Belgian Bank in London. Our committee, however, feels that until war conditions change in Belgium, no azaleas or other stock can come into the United States from that country.

Fumigation of Orchids. In May last, several communications were received from the Orchid Growers' Association to have an interview with the Department of Agriculture as to the fumigation of orchids, which, some of the growers claim, was so detrimental to the plants that some had been killed. We took the matter up promptly with the Federal Horticultural Board on May 27th last and were told that the fumigation of newly imported orchids had been suspended until the 31st of May to see what effect the fumigation would have. Subsequently, we have been told that the fumigation orders have been modified, so far as orchids were concerned, until they are now being fumigated without detriment to the plants.

Embargo on Raffia from Madagascar. Early in the recent European war the French Government placed an embargo on all raffia exported from the Island of Madagascar. The importers became interested and were very anxious to have the embargo lifted. We took the matter up with the Department of State and after many interviews and cablegrams (paid for by Mr. James McHutchison of New York City) we were advised on August 1st that the embargo had been lifted by the French Government and raffia is now coming in as before.

Under date of August 19, 1917, we received a communication from Philadelphia in reference to the coal situation which has caused to displace many of our members. We immediately took the matter up with the Director of the Geological Survey, who submits the following:

I want to say that I would say that the coal situation is a most marred the picture. It is a picture of many other industries. Among the industries which are being marred are the steam railroads, the telephone, the gas supply, the automobiles and many other industries. In more than 10,000 plants there have been requests for information on these points. Only the limit of the coal supply available has prevented the delivery of an even greater number of industries. The effect of the investigation is primarily to secure specific information on the consumption and storage of coal in order that the proper Governmental agencies may be able to act intelligently on any situation which may arise.

I wish to take this opportunity of thanking every member of our committee for willing assistance rendered whenever the occasion required, especially Mr. James McHutchison, who is most thoroughly versed in all these matters and has been untiring in bringing about the desired results for our organization.

As chairman of the Committee on W. R. Smith Memorial Mr. Gude asked for further time which was granted.

The State Vice-Presidents' annual reports were ordered printed.

Michael Barker of Chicago, J. G. Esler of Saddle River, N. J., and J. A. Peterson of Cincinnati, were appointed a Memorial Committee on the members who have passed away during the year. W. C. Gloeckner of Albany was appointed to serve as a judge in the trade exhibition in place of Philip Breitmeyer who was not present.

The report of the School Gardening Committee was then presented by the chairman, Benjamin Hammond, as follows:

REPORT OF SCHOOL GARDEN COMMITTEE.

The year 1917 will go down into history as a special year of gardens, for gardens are no longer regarded as of no account and suitable only for laboring people to attend to. The Society of American Florists and Ornamental Horticulturists has for several years been encouraging the efforts to teach the school children of the country about garden cultivation. The florist, wherever he may be, usually has premises that are a model for tidiness and beauty and an example that people of good taste love to follow. The very fact that from one end of the country to the other, we have sent each spring a well illustrated circular letter to school authorities in every town or city that has a member of the S. A. F., this suggestion has had its effect judging from the correspondence that has come to hand therefrom. It would be difficult to name any city or town of prominence but what is giving attention to school Gardening. The City of Grand Rapids, Mich., has issued one of the best circulars that we have seen. Chicago, Ill., in various parts of the city has made it a point to instruct the children. On the Pacific Coast the movement has extended from San Diego, Cal., to Tacoma, Wash., and much attention has been given this work.

Poughkeepsie, N. Y., has been one of the leaders in the work. Boston, Mass., which has always been a thrifty town from the time it was first settled, keeps up the good work. Cleveland, Philadelphia, Wilkes-Barre, Buffalo, Cincinnati, Denver, and so we may go on indefinitely and what at first was regarded sometimes as a fad in school studies has spread from end to end of the United States, and the past year, owing to the conditions arising from the destruction now going on in Europe, has brought a realization of the practical value of the little garden, that engaged the thoughts of the ablest men of the nation, and President Wilson specially laid stress on the desirability of this work. As your committee, we have followed up the work and we believe that the florists in every town where one is located, can be a lighthouse showing what can be done, not only with flowers, but with vegetables, to the benefit of their communities and will fix in this country a desire for gardens—both plants and flowers—to an extent that will remain a permanent benefit to their business.

(Signed)

Benjamin Hammond, Beacon, N. Y., Chairman; Michael Barker, Chicago, Ill.; Gust. X. Amryhn, New Haven, Conn.; Leonard Barron, Garden City, N. Y.; Irwin Bertermann, Indianapolis, Ind.

SCHOOL GARDEN COMMITTEE.

Prof. E. A. White of Ithaca made a verbal report on behalf of the Nomenclature Committee and asked for an appropriation of \$300, which was granted by unanimous vote.

THE PROPOSED AMENDMENT TO THE CONSTITUTION.

The proposed amendment providing for the appointment of the secretary by the executive board instead of election by the Society was then read and a lively discussion ensued, participated in by W. A. Manda, Patrick O'Mara, J. D. Fulmer, James Dean and Max Schling and announcement was made that voting on the proposition would take place at the evening session.

DETROIT CHOSEN.

On nomination for the Convention of 1918 George Asmus spoke forcibly in favor of the selection of Detroit, Mich., and there being no other nominations or invitations Detroit became the unanimous choice of the Convention.

THE PRESIDENT'S RECEPTION.

This popular function on Tuesday evening was very successful as always and the informal character given to it on the President's request made it especially enjoyable, for the evening was warm. During its progress balloting on the constitutional amendment was carried on.

SECOND DAY — WEDNESDAY, AUG. 22.

Morning Session.

The morning session on Wednesday opened a little late but with a large attendance. The first business was the nomination of officers. Competition developed only on the office of

president but that brought out a flow of impassioned oratory such as the Society of American Florists is rarely treated to. W. F. Gude started the ball with an eloquent nomination of Charles H. Toddy, Madison, N. J., extolling that gentleman's qualities, his experience, loyalty and efficient service on behalf of the society and the horticultural profession. James McHutchison took the floor in advocacy of his favorite, A. L. Miller, whom he characterized as a grower of distinction, a worker in the society for twenty-four years who had "made good" in every responsibility entrusted to him, tireless, zealous and faithful. These gentlemen were followed by many enthusiastic seconders, including F. R. Pierson, Robert Craig, E. G. Hill, Patrick Welch and Otto Lang in favor of Mr. Toddy, and Wallace R. Pierson and A. Schulthels for Mr. Miller, much of the speaking being accorded unstinted applause.

NOMINATION OF OFFICERS.

Nominations for other offices were as follows: Vice-president, Jules Bourdet, St. Louis, Mo.; secretary, John Young, for re-election; treasurer, J. J. Hess, for re-election; directors, Joseph Manda, Jr., West Orange, N. J. and C. E. Critchell, Cincinnati, O.

A. Rasmussen, of New Albany, Ind., then took the platform with his report as chairman of the Committee on Storm Damage.

REPORT OF COMMITTEE ON WIND-STORM INSURANCE.

Inasmuch as The State Florists' Association of Indiana is now working to form a mutual company among the florists and greenhouse men of the United States, for protection against damage from wind and hail—to be known as The Florists' Mutual Casualty Association, Inc., and in view of the fact that all of this committee has not sufficient data on the progress or plan of this proposed movement, at this time to recommend an indorsement of it by the S. A. F. and O. H., your committee would recommend that a committee be appointed to investigate the Indiana project and report to the board of directors at their next regular meeting, said committee to be made up of men not officially connected with the Florists' Hail Association or with the movement started in Indiana.

In order to give all sections of the country representation, we suggest that they be appointed accordingly, and their traveling expenses to be paid by the S. A. F. and O. H. We further recommend that this committee in conjunction with the board of directors be given authority to indorse the Florists' Mutual Casualty Association should they deem it worthy of the support of the S. A. F. and O. H.

ANDERS RASMUSSEN,
E. G. HILL,
J. FRED AMMANN.

Supplementary report by A. Rasmussen:

I will briefly review the work that so far has been done in Indiana and

what lead up to it. On March 23, as you all know, a cyclone passed over New Albany, Ind., taking a toll of fifty-one lives and approximately \$1,000,000 worth of property. Our place of about 250,000 sq. ft., while not directly in the path of the storm, was badly wrecked and as near as we can figure at this time, the loss to our buildings amounts to about \$35,000, beside the loss in stock and trade. Mr. Swift's place of about 7,000 sq. ft. was totally destroyed, and the greenhouses of Gueltig, Pont-rich, Laden, and Aebersold, all small places, were badly damaged. About the same time, tornadoes were frequent in other places, notably at New Castle, Ind., and Mattoon, Ill.

I had tried on several occasions to get windstorm insurance, but the rates up to about a year ago were so high (about \$30.00 per \$1,000) that it was out of the question to carry this kind of insurance. Too late, I have learned that for the past year, it has been possible to get insurance for about \$11.00 per \$1,000. But the protection is not satisfactory. You have to carry a full insurance to get this rate. If only partial insurance is carried the rate is doubled. They will not pay for broken glass unless 20 per cent. of the frame work is destroyed. The insurance only covers the super-structure. Benches, steam pipes, etc., are not included.

After that happened which we had always dreaded, but hoped would not happen, I felt I had to have protection at any cost. While I still have courage to rebuild and have faith in the future, I question if a similar calamity should overtake me ten years from now, whether I should have courage to go ahead, but might face want in my old age. So I took out \$50,000 worth of insurance, for which I paid \$550.00 for one year, although I felt this rate was exorbitant and altogether out of proportion to the losses from windstorm to greenhouses.

In the past, I have often thought of the possibility of forming a mutual company among greenhouse men against damage from windstorm. In fact, I had proposed to the Hail Association that they widen their scope and include wind. The directors of this association, however, were never in favor of this, claiming that there were obstacles in the way, that seemed insurmountable. Time may prove that they were right, but I had faith enough in it to at least give it a trial. To get information on which to base rates, and get the sentiment in regard to such an association, I sent postcards, with reply card attached, to 500 of the largest growers in all sections of the country, asking the following questions.

"How much have you lost by windstorm in the past ten years?"

"In what year did loss occur?"

"What is the size of your plant?"

"What construction? All steel, or pipe and wood frame?"

"Would you join a mutual company for insuring against wind and hail if rates could be made reasonable?"

About 150 replies were received, with more than two-thirds in favor of a mutual company. The replies represented about 16½ million sq. ft. of glass with a total loss of \$165,000 in ten years. Figuring the average value of greenhouses at \$500.00 per 1,000 sq. ft. would make the losses 1/5 of 1 per cent. per year. However, it is reasonable to suppose that the 150 who re-



C. E. CRITCHELL,
Elected Director S. A. F.

plied averaged more losses than the 350 who took no interest, and from this standpoint, that the losses would average much less than 1/5 of 1 per cent.

After getting this information for a working basis, and receiving many letters indorsing the movement, I brought the matter before the State Florists' Association, of Indiana, as I realized that this was not a one man's job and that I, being practically unknown to the trade at large, could not inspire the confidence that the Indiana society could, it having, on many occasions, entertained the national trade societies. Furthermore, as the state of Indiana has been the worst sufferer from storms this year, many of her florists having sustained heavy losses, it seemed to me that more interest would be taken there than any other place. I was not disappointed. Money



JOSEPH MANDA,
Elected Director S. A. F.

was voted to carry on the preliminary work and a committee of five, namely, Herman Junge, A. F. J. Baur, Charles Pahud, Lennes Elder and myself, were appointed to draft a constitution and by-laws, and to formulate a working plan.

The first question that presented itself to this committee was the scope of the association. Whether it should confine itself to windstorm insurance, or should hail and snow be included. After careful consideration, it was unanimously agreed that all three should be included, for the reason that in many cases, it would be hard to determine what damage was done by wind, hail and snow, respectively.

We realized, that in some measure, by including hail, we would interfere with the Florists' Hail Association, that has been such a benefit to the trade at large, and we decided to go no further before proposing to them that they include windstorm insurance. The matter was presented at their Board of Directors meeting, at Trenton, N. J., June 8th, but it was found that their charter did not give them the privilege to insure against any kind of damage except from hail.

[Mr. Rasmussen's report goes at length into details which while very interesting are too voluminous for the space at our disposal this week.—Ed.]

The recommendation of the committee was complied with and the president authorized to appoint the special committee accordingly.

The result of the balloting on Tuesday evening on the proposed amendment to the constitution was announced as 47 in favor and 94 in opposition and the proposition was declared lost.

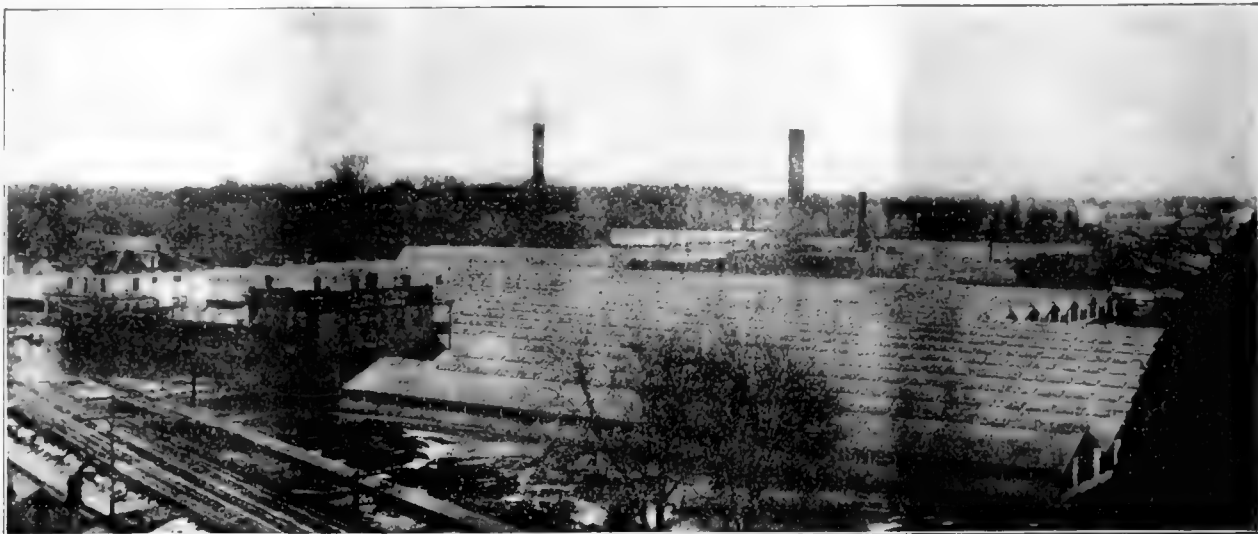
Afternoon Session.

Wednesday afternoon's session was opened by W. F. Therkildson who stated at length his views as chairman of the Committee on Publicity in the Florists' Business. Mr. Therkildson showed samples of posters and stickers to be used as helps to selling ability and showed how countrywide advertising had vitalized other lines of business through its direct appeal to the human interest, asserting that if the public are deficient in their appreciation of the florists' product it is the florists own fault. Mr. Therkildson recommended the establishment of a publicity fund of not less than \$50,000 for national publicity. He was followed by other speakers in approval, among these being Mr. Eyles, an agency expert; Mrs. Ella Grant Wilson, who told of the successful campaign of community advertising inaugurated by the Cleveland florists last spring; Max Schling, F. L. Atkins, Wallace R. Pierson, Joseph Heacock, James McHutchison and others, with the result that the meeting was warmed up into one of the liveliest and most sensational sessions the S. A. F. has had in many a year. Subscriptions towards a big publicity fund, some of them to be continued annually for five years and others to extend a lifetime, running all the way from twenty-five to several hundred dollars each, poured in until there must have been an aggregate of nearly ten thousand dollars which was then augmented by a vote recommending the addition of \$5,000 from the treasury of the

All Florists going to or from the Convention are Invited to Visit

POEHLMANN BROS. CO'S GREENHOUSES

THE LARGEST AND MOST UP-TO-DATE GREENHOUSE ESTABLISHMENT IN AMERICA



The above cut shows in the foreground our **PLANT DEPARTMENT**, which is five years old, and consists of 150,000 square feet of glass. This is devoted to **POT PLANTS**, such as **Palms, Ferns, Pandanus, Dracaenas**, and other **Decorative Stock**, as well as all the **Blooming Plants for Christmas and Easter**. We ship **Plants and Cut Flowers** all the year round.

Take **Chicago, Milwaukee & St. Paul Railway** from **Union Depot, Chicago**, 14 miles northwest to **Morton Grove, Ill.**

S. A. F. to the fund thus started. It was a session long to be remembered by all who were present.

Mr. Therkildson called attention to the Bill No. 4280 now before the Senate in Washington placing a one-cent extra war tax on all catalogues and asked that the trade individually and collectively take quick action in disapproval and opposition to this unfair and oppressive measure.

Robert Craig then took the floor to open the discussion on the Florists' Business in Its Relation to War Times. Following Mr. Craig's pertinent remarks were talks by Max Schling, J. F. Ammann, E. G. Hill and F. W. C. Brown which we shall take occasion to refer to in our next issue.

J. F. Ammann, August Poehlmann and A. Niessen were appointed a committee on final resolutions.

THURSDAY MORNING'S SESSION.

The S. A. F. session on Thursday morning brought out a large attendance. Balloting started at 10 o'clock. A good-natured audience was on hand at 11.40 when President Kerr read the



JOHN YOUNG.

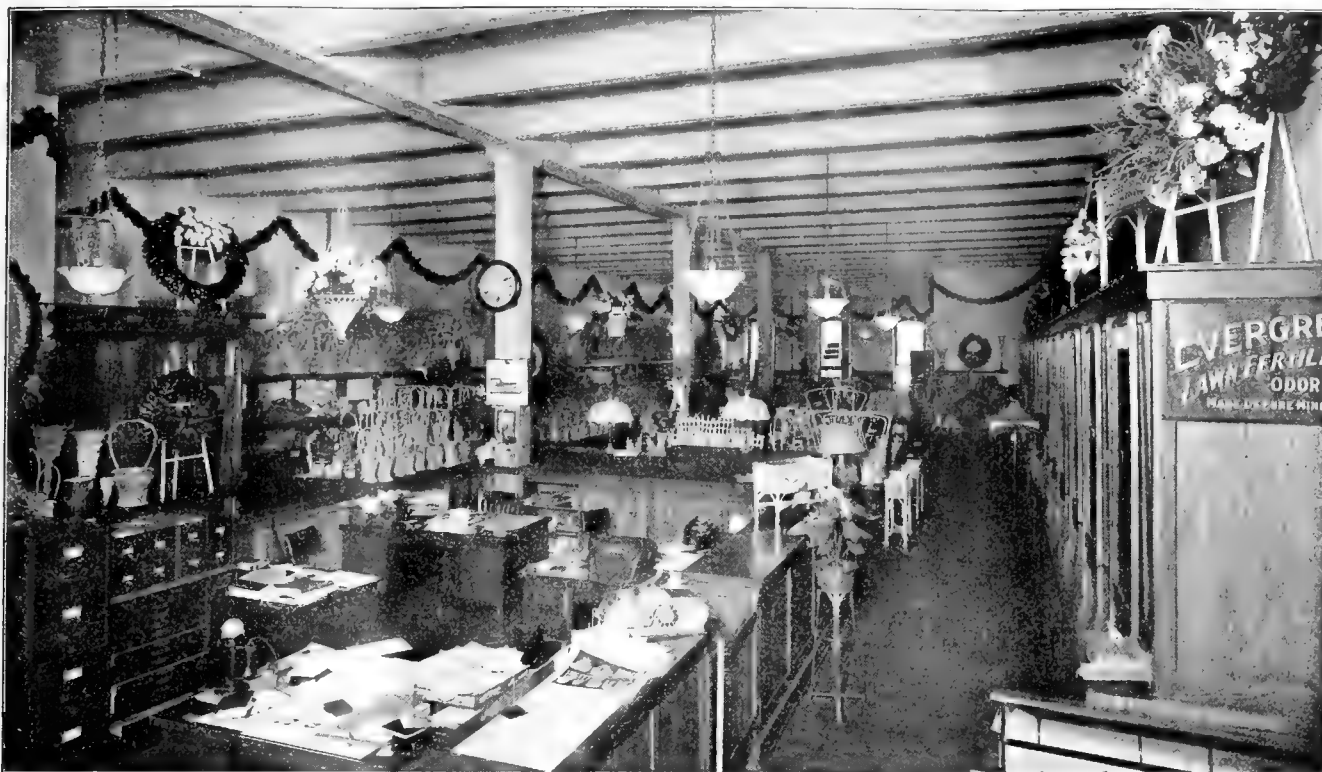
Re-elected Secretary S. A. F.

result of the balloting, showing the total number of votes cast 321, of which 123 were for A. L. Miller and 198 for Chas H. Totty. Mr. Miller took the platform and in a most felicitous and cordial speech moved the unanimous election of his rival. Mr. Totty followed with a few words of appreciative gratitude and there was a wild outburst of applause when the two candidates clasped hands and promised loyal co-operation in the work ahead.

Department of Plant Registration.

Public notice is hereby given that Dailledouze Brothers, Lenox Road and Troy Avenue, Brooklyn, N. Y., submit for registration the following new rose described below.

Raiser's Description. New Rose Ophelia Supreme, Sport of Ophelia, color light rose pink with darker shading in the center and yellow at the base of each petal, much like Souv. de la Malmaison, but decidedly brighter. Habit; same superb growth, foliage and quick cropping qualities as its parent. Petelage; will average four



A View of Poehlmann Bros. Supply Department

Adjoining the cut flower salesroom in their city store

66-74 East Randolph Street

Every year the retail florist who would be successful must add the newest novelties to his stock.

We make it a point to carry everything that the trade demands.

More than that we manufacture baskets, wire designs and novelties, and prepare magnolias, cycas and oak leaves in our own factories, so you are assured of getting practical things that your customers will want.

Visitors Are Always Welcome

POELHMANN BROS. CO. 66-74 East Randolph St.
CHICAGO

to five petals more than Ophelia making it a much better half open rose. Name: Ophelia Supreme.

Fred'k H. Dressel, Weehawken, N. J., offers for registration the following new Fern described below:

Raiser's Description. Sport of "Teddy Jr." Leaves small, curly, dark green and more hardy looking than "Teddy Jr." Name: President Wilson.

Any person objecting to these registrations or to the use of the proposed names is requested to communicate with the secretary at once. Failing to receive objections to the registrations, the same will be made three weeks from this date.

JOHN YOUNG, Secy.

The annual report of R. L. Jenkins as District Vice-President for District of Columbia mentions that about 40,000 sq. ft. of glass has been added to the greenhouse establishments this year. The business has been unusually good throughout the present season and the only serious existing condition is the scarcity of labor.

LADIES' SOCIETY OF AMERICAN FLORISTS.

The annual meeting was held at Hotel McAlpin on Wednesday, August 22. The proposed amendments to the by-laws were carried unanimously. New officers were elected as follows: President, Mrs. Julius Roehrs; first vice-president, Miss Bertha Meinhardt; second vice-president, Mrs. Joseph Manda; secretary, Mrs. Geo. W. Smith; treasurer, Mrs. A. M. Herr. The officers and directors were entertained by Miss Perle B. Fulmer on Wednesday evening, this being also the birthday anniversary of the retiring secretary, Mrs. Chas. H. Maynard. She was the recipient of many beautiful gifts. Mrs. A. L. Miller entertained a party of ladies by an automobile ride to Coney Island, Wednesday afternoon. Mrs. F. H. Traendly entertained a party at Long Beach on Tuesday afternoon, and there was a theatre party at the Lyceum Theatre on Wednesday evening. The New York Florists' Club were the hosts on Thurs-

day evening at the McAlpin, giving a buffet lunch and musical entertainment. Altogether, the ladies enjoyed themselves from start to finish.

Secretary's Report.

Not so very much can be said about this last eight months. It has been passed by your secretary in striving to bring back interest lost in the last two years. The Conventions were so far away that members forgot that their dues went on just the same. I, therefore, placed all members, active and associate, on the same basis, sending out due notices to everyone, and was successful in getting many back dues besides the yearly ones. We feel encouraged. Our roster calls for 213 active members, which includes 24 states, Massachusetts and New York leading, each with 31 members. The grim reaper has taken one of our members, Mrs. Wm. Bester, of Hagerstown, Md., this summer. We shall miss her. Mrs. Bester was always with us with a pleasant word.

MRS. CHAS. H. MAYNARD, Secy.

CYCLAMEN

Choicest Strain in Existence

BEGONIAS MRS. PETERSON
and MELIOR

J. A. PETERSON & SONS

Westwood, Cincinnati, O.

THE TRADE EXHIBITION

Nitrate Agencies Co., New York, display of nitrate of soda, sulphate of ammonia and florists' tankage, in charge of Harry A. Bunyard.

Aphine Mfg. Co., Madison, N. J., insecticides.

Wm. Hunt & Co., New York, seeds, bulbs, etc.

John Lewis Childs, Flowerfield, N. Y., gladioli; a brilliant show.

Reed & Keller, New York, a fine array of florists' wire work, vases and baskets.

Jackson & Perkins, Newark, N. Y., hardy plants.

John G. Scheepers, Inc., New York, thatched summer house.

B. Hammond Tracy, Wenham, Mass., gladioli bulbs for florists' forcing, also Primulinus flowers.

Wertheimer Bros., New York, large display of ribbons.

Kroeschell Bros. Co., Chicago, desk and photographs of heating apparatus. Lord & Burnham Co., New York, desk.

Hitchings & Co., Elizabeth, N. J., section of greenhouse; boiler, bench, etc.

Henry A. Dreer, Inc., Philadelphia, palms, ferns and elegant crotons.

General Rubber Co., Cleveland, O., rubber hose.

J. H. Fiesser, North Bergen, N. J., elegant group of Boston ferns.

L. W. Kervan, New York, florists' greens.

American Greenhouse Mfg. Co., Chicago, greenhouse fittings and photographs.

Russin & Hanfling, New York, baskets and general florists' supplies.

John A. Evans Co., Richmond, Ind., exhibit had not arrived.

Vaughan's Seed Store, New York, gladioli, bulbs, etc.

Darbee's, San Francisco, Cal., cut flowers in baskets.

Schloss Bros., New York, new combination of gold and silver tinsel ribbon for corsage, also others of satin and metal. New printed warp and fancy combination ribbon. Glace gauze shower effect. Plaid ribbon for use with heather.

Bobbink & Atkins, Rutherford, N. J., ferns, dracaenas and ficus.

Julius Roehrs, Rutherford, N. J., palms, crotons, pandanus and caladiums.

J. A. Peterson & Sons, Cincinnati, O., cyclamen, bird's nest ferns and begonias.

Lager & Hurrell, Summit, N. J., orchid plants.

Quaker City Rubber Co., Philadelphia, rubber hose.

Robert Craig Co., Philadelphia, a remarkable show of crotons, ferns and dracaenas.

A. N. Pierson, Inc., Cromwell, Conn., new Adiantum Glory of Lempkesii.

Expanded Wood Co., Evansville, Ind., crepe wood.

Lion Co., New York, ribbons.

Joseph Heacock Co., Wyncote, Pa., specimen kentias.

Chicago Feed & Fertilizer Co., Magic fertilizers. The preparations by this concern were handsomely staged in in large glass globes.

S. S. Pennock Co., Philadelphia, ribbons, velour and novelty tapestries for window displays. In charge of E. J. Fancourt and Robert Greenlaw.

H. F. Michell Co., Philadelphia, a very comprehensive display of flowers, bulbs and supplies. In charge of Philip Freud and A. Rosnosky.

Jos. G. Neidinger Co., Philadelphia, florists' supplies, wreaths, etc. In charge of George Hampton.

Heatherhome Seed & Nursery Co., New York, ericaceous plants.

C. E. Falls Service Co., Kansas City, Mo., art folders, etc.

Florists' Exchange, New York, horticultural literature.

F. R. Pierson, Tarrytown, N. Y., a splendid show of nephrolepis in many varieties; young roses; specimen hydrangeas.

Mirror Mfg. Co., New York, gazing globes.

J. C. Kraus, New York art vases and garden furniture.

Mead-Suydam Co., Newark, N. J., concrete benches.

Roman J. Irwin, New York, sample plants, etc.

John C. Moninger Co., Chicago, greenhouse fittings; photographs of Moninger construction and boilers.

A. L. Randall Co., Chicago, baskets, robbons and novelties.

King Construction Co., N. Tona-wanda, N. Y., desk and samples; in

FERNS

We have a large stock of the fancy varieties of *Nephrolepis* in extra fine shape for immediate shipment, and can offer the following varieties and sizes, viz:—

Elegantissima, Elegantissima compacta, Smithii, and Muscosa, 3½-in. pots.....	\$0.25 to \$0.35 each
Smithii and Muscosa, 5 in. pots.....	.50 to .75 "
Smithii, 6-in. pans.....	.75 to 1.00 "
Elegantissima, Elegantissima compacta, Teddy, Jr. and Superb- issima, 6 in. pans.....	.50 to .75 "
Elegantissima, Elegantissima compacta, Teddy Jr., and Superb- issima, 8-in. pans.....	1.00 to 1.50 "
Elegantissima and Elegantissima compacta, 10-in. pans.....	3.00 to 3.50 "
Cyrtomium falcatum and Pteris in variety, in 3½ in. pots.....	.15 to .35 "

SHIPMENTS IN POTS AT MAXIMUM PRICES ONLY

F. R. PIERSON

Tarrytown - - - New York

charge of H. S. DeForest and T. J. Nolan.

M. Rice Co., Philadelphia, florists' supplies; a very extensive display.

Crowl Fern Co., Millington, Mass., florists' greens.

Cottage Gardens Co., Queens, N. Y., plants.

B. Rosens, New York, holiday novelties.

H. Bayersdorfer & Co. This exhibit was very extensive. Among the novelties shown were cretonne-covered baskets in many beautiful designs, red, white and blue baskets and grass baskets for ladies' knitting receptacles after having been used for flowers. The entire exhibit of baskets was made in their own factory. Exhibit was in charge of Stephen Green, I. M. Bayersdorfer, Sydney Bayersdorfer and John Walsh.

One of the most interesting things in the show was a series of Lumiere process pictures of cyclamen and begonias by J. A. Peterson, of Cincinnati. They were very beautifully done. Mr. Peterson has been developing a fancy strain of cyclamen seed for the past seven years and has now got it worked up to a \$12 per 1000 seed grade. He refused an offer of \$10 apiece last winter for his stock of 250 plants in 6-in. and 8-in. pots.

It was voted to underwrite the carnation premium list for that occasion.

FLORISTS' HAIL ASSOCIATION.

At the annual meeting of the Hail Association, held in Newark, N. J., on August 20, the old officers were re-elected, together with the following named directors, for three years each: J. A. Valentine, Samuel Murray, Julius Roehrs, J. C. Vaughan; for two years, E. G. Hill, J. F. Ammann; for one year, Fred W. C. Brown.

Summary of Secretary Esler's Report

The insurance on glass, effective August 1, 1917, in the Florists' Hail Association, is as stated below:

Single thick glass, 4,043,648 sq. ft.
Double thick glass, 28,530,319 sq. ft.
Single thick glass. Extra one-half, 533,741 sq. ft.
Double thick glass. Extra one-half, 3,139,002 sq. ft.
Single thick glass. Extra whole, 1,194,385 sq. ft.
Double thick glass. Extra whole, 7,390,401 sq. ft.
Amount paid for losses Aug. 1, 1916, to Aug. 1, 1917, \$37,547.62.
The above is equivalent to an insurance upon 43,000,125 sq. ft. of glass.
The number of members at date of closing this report is 1,621.
The total receipts for the year ending August 1, 1917, and including last year's balance, as per Treasurer's Report, were \$55,105.80.
The total expenditures, as per Treasurer's Report, for the year ending August 1, 1917, were \$45,327.18.
The cash balance on hand is \$9,778.62, of which \$463.67 belongs to the Reserve Fund. The Reserve Fund now amounts to \$11,463.67, of which \$11,000 is invested in first-class Municipal and Government Bonds, and \$463.67 cash in hands of the Treasurer.
An equivalent of 151,427 sq. ft. of single thick glass was broken by hail during the past year, for which the Association paid

\$7,571.34. An equivalent of 427,804 sq. ft. of double thick glass was broken, which cost the Association \$29,946.28.

The equalization of assessments, by the establishment of Hazardous Risks, is proving an equitable and satisfactory adjustment of a once troublesome question.

The Laws of New Jersey, under which the Florists' Hail Association has been re-organized, allows only insurance against damage to glass by hail, and does not permit the assumption of cyclone risks.

FLORISTS' TELEGRAPH DELIVERY ASSOCIATION.

That promptness is a cardinal principle with this very much alive organization was evidenced by the opening of their meeting in the Grand Central Palace on Tuesday, at the exact hour announced—8.30 a. m. sharp. There were one hundred or more in attendance, including many notable men from all sections from the Atlantic to the Pacific and from Maine to Texas. A novel feature was put in operation by President Gude's calling upon each member present to come forward, face the audience and announce his name and place of business. A lengthy communication from Secretary Pochelon furnished material for a busy informal two hours' session, principally on laying out a good program for the meeting to be held in Detroit in the fall. A committee was appointed to consider the need for a better express delivery service also the advisability of the starting of a monthly bulletin giving reliable information as to conditions in various sections. It was decided to defer the election of officers until the meeting in Detroit.

AMERICAN CARNATION SOCIETY.

A special session of this Society was held at the Grand Central Palace, New York, on Wednesday afternoon, August 22. The principal business transacted was in connection with the society's participation in the National Flower Show in St. Louis, next spring.

Winter-Flowering Sweet Peas Giant Spencer Varieties

The best that can be procured for winter-flowering under glass

Five Good Californian Varieties

EARLY SNOWFLAKE Large pure white 1/4 oz. 75c., 1 lb. \$1.25, 1/2 lb. \$1.00, 1 lb. \$1.25.
EARLY SPRING MAID Beautiful cream pink 1/4 oz. 75c., 1 lb. \$1.25, 1/2 lb. \$1.00, 1 lb. \$1.25.
EARLY MELODY Soft rose pink 1/4 oz. 75c., 1 lb. \$1.25, 1/2 lb. \$1.00, 1 lb. \$1.25.
EARLY SONG BIRD Blue pink 1/4 oz. 75c., 1 lb. \$1.25, 1/2 lb. \$1.00, 1 lb. \$1.25.
EARLY HEATHER BELL Rich mauve changing to lavender 1/4 oz. 75c., 1 lb. \$1.25, 1/2 lb. \$1.00, 1 lb. \$1.25.

Six Splendid Australian Varieties

(Concord Spencer Types)
CONCORD PINK Beautiful delicate pink
CONCORD CRIMSON Fine ruby red
CONCORD LAVENDER Light lavender blue
CONCORD WHITE Large pure white
CONCORD SALMON Soft salmon pink
CONCORD BLUE Dark purple blue

Prices of Concord varieties:
 per pkt. (50 seeds) 40c., 5 pkts. for \$1.75.

YARRAWA MOST POPULAR ROSE PINK
 1/2 oz. 40c., oz. 75c., 1 lb. \$2.25, 1 lb. \$3.00

STUMPP & WALTER CO., 30-32 Barclay St., NEW YORK CITY

CLUBS AND SOCIETIES

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The regular monthly meeting of the Westchester and Fairfield Horticultural Society was held in Hubbard's Hall, Greenwich, Conn., on Friday evening, August 10th, President Wm. Whitton presiding. There was a good display on the exhibition tables and the quality of the exhibits was excellent. The judges made the following awards: Robt. Allan and P. W. Popp honorable mention for gladioli; also James Stuart for *Thalictrum hybrida*. Thanks of the society to Wm. Graham for plant of *Celosia*. Robt. Allen 1st for most meritorious exhibit, P. W. Popp 2nd and James Stuart 3rd. It was decided to hold the fall show in Greenwich under the auspices of the Red Cross.

The society held its annual picnic and games at Rye Beach, Wednesday, August 15. The attendance was not as large as in former years. After the games about eighty persons sat down to a splendid shore dinner in Beach Hill Inn. In the annual football match between Westchester and Fairfield counties, Westchester was victorious by two goals, although Fairfield beat Westchester at the quoits.

ALEX. CLARKSON.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The monthly meeting of the above society was held in Pembroke Hall, Glen Cove, N. Y., on August 8. Awards were made to exhibitors as follows: First, Wm. Noonan for a beautiful vase of gladioli; first, Joe Mastroianni for corn; honorable mention, to Wm. Noonan for globe artichokes. It was agreed to donate \$25.00 to the relief of the French fruit growers as a slight token of our aid and sympathy for the hardships they are undergoing at the present time. The preliminary schedules of the two fall shows were read and adopted. A letter of sympathy was ordered sent to the widow of our late member, Henry Thompson. Exhibits for our next meeting to be held on Wednesday, Sept. 12, are: three heads of celery, twelve mixed asters and one musk melon.

HARRY GOODBRAND, Cor. Secy.

PRESIDENT STARK OF A. A. N. RESIGNS.

The secretary of the American Association of Nurserymen has received the following communication from Major Lloyd C. Stark, president of the Association:

"Am commissioned major of field artillery and ordered to active duty August 15. With deep regret I hereby resign presidency American Association Nurserymen to take effect August 15. Peel duty to my country must come first . . ."

(Signed) LLOYD C. STARK.

Visitors' Register

Cincinnati—C. E. Ruch, Richmond, Ind., and Wm. Gerlach, Jr., Piqua, O.

Philadelphia—Ernest Rober, Wilmette, Ill.; George Heck, Wyomissing, Pa.; Mrs. E. W. Carlson, Lock Haven, Pa.

Boston—Will Currie, Milwaukee, Wis.; J. Frank, repr. Peters & Reed Pottery Co., South Zanesville, O.; Robert Pyle, West Grove, Pa.

CATALOGUE RECEIVED.

Wm. Elliott & Sons, New York, N. Y. Autumn, 1917, catalog of bulbs and seeds.

J. Bolgiano & Son, Baltimore, Md.—Fall Catalogue of Vegetable Seeds and Supplies.

J. Bolgiano & Son, Baltimore, Md. 1917 wholesale summer and fall price list for market gardeners, truckers and farmers for vegetables, field seeds and sundries.

Kroeschell Bros. Co., Chicago, Ill. The Kroeschell Fire and Water Boiler. This boiler is manufactured in units ranging from 100 h. p. to 300 h. p. and primarily designed for power work and for use in large heating plants. During the year of 1916 the High Pressure Kroeschell was installed for 1,003,336 sq. ft. of glass.

"Some Greenhouses We Have Built." Lord & Burnham Company, New York. This is a catalogue, to be sure, but it has little of the features usually appertaining to catalogues. It is really an album of beautiful views of exteriors and interiors in artistic framing and altogether a superb example of typographical art. That the establishments portrayed in its pages show the highest attainments in glass house architecture and efficiency goes without saying. It is the finest production in its class that we have seen.

LILIUM FORMOSUM

Now on the way and expected shortly, and we anticipate making deliveries in full

YOKOHAMA NURSERY CO.
WOOLWORTH BUILDING, - - NEW YORK

ORCHIDS

We grow and sell nothing but ORCHIDS. If you are in the market for this class of plants we respectfully solicit your inquiries and orders. Special lists on application.

LAGER & HURRELL, Summit, N.J.

Iris, Liliums, Lycoris, ETC.

For Fall Delivery
JOHN LEWIS CHILDS, Inc.
Flowerfield, L. I., N. Y.

WINTER-FLOWERING SPENCER SWEET PEAS

NOW READY FOR DELIVERY

The varieties offered below are now too well known to need much description; we classify colors to make ordering easy.

There are no strains of American Winter-flowering Spencers superior to ours. All strains contain rogues. It is, however, easy to eliminate the late bloomers, as they can be readily distinguished by the fact that they branch within an inch or so of the ground, whereas the Winter-flowering type grow in a straight vine with more pointed foliage, making no lateral growth until 18 inches to 2 feet above the surface of the ground. We recommend all growers to remove the late bloomers when the plants are a few inches high, or as soon as late bloomers can be distinguished. The Australian varieties are almost perfectly fixed.

PINK AND WHITE

Christmas Pink ¼ oz. Oz. ¼ lb. Lb.

Orchid\$0.75 \$1.50 \$5.00 \$18.00

Pink and White ¼ oz. Oz. ¼ lb. Lb.

Orchid15 .50 1.75 5.00

Sensation. Pink ¼ oz. Oz. ¼ lb. Lb.

and white..... .15 .50 1.75 5.00

The Czar. Rose, ¼ oz. Oz. ¼ lb. Lb.

white wings.... .75 1.50 5.00 18.00

WHITE AND BLUSH

Bridal Veil. Best ¼ oz. Oz. ¼ lb. Lb.

pure white.....\$0.20 \$0.75 \$2.50 \$ 8.00

Spanolin. Double ¼ oz. Oz. ¼ lb. Lb.

white20 .75 2.50 8.00

Venus. Blush ¼ oz. Oz. ¼ lb. Lb.

white20 .75 2.50 8.00

White Orchid. ¼ oz. Oz. ¼ lb. Lb.

Pure white.... .15 .50 1.75 5.00

APRICOT AND ORANGE

Apricot Orchid. ¼ oz. Oz. ¼ lb. Lb.

.....\$0.20 \$0.75 \$2.50 \$ 8.00

Orange Orchid.. ¼ oz. Oz. ¼ lb. Lb.

..... .20 .75 2.50 10.00

RED AND ROSE

Belgian Hero. ¼ oz. Oz. ¼ lb. Lb.

Beautiful rose.\$0.30 \$1.00 \$2.50 \$10.00

Orchid Beauty. ¼ oz. Oz. ¼ lb. Lb.

Dark rose-pink, ¼ oz. Oz. ¼ lb. Lb.

with orange ¼ oz. Oz. ¼ lb. Lb.

blush15 .50 1.75 5.00

Red Orchid. ¼ oz. Oz. ¼ lb. Lb.

Bright cherry ¼ oz. Oz. ¼ lb. Lb.

red20 .75 2.50 10.00

Sensation Scarlet.

Bright scarlet. .30 1.00 2.50 10.00

PINK AND LIGHT PINK

Bohemian Girl. ¼ oz. Oz. ¼ lb. Lb.

Pink self.....\$0.20 \$0.75 \$2.50 \$ 8.00

Morning Star. ¼ oz. Oz. ¼ lb. Lb.

Fine self-pink. .75 1.50 5.00 18.00

Miss F. Roland. ¼ oz. Oz. ¼ lb. Lb.

Light pink.... .20 .75 2.50 8.00

Mrs. A. A. Skach. ¼ oz. Oz. ¼ lb. Lb.

Bright pink... .15 .50 1.75 5.00

Selma Swenson. ¼ oz. Oz. ¼ lb. Lb.

Soft pink..... .30 1.00

Yarrowa. Bright ¼ oz. Oz. ¼ lb. Lb.

rose-pink. .35 1.00 2.50 10.00

Introducer's Re- ¼ oz. Oz. ¼ lb. Lb.

selected stock. .35 1.00 2.50 10.00

California- ¼ oz. Oz. ¼ lb. Lb.

Grown seed. .20 .65 1.75 5.00

LAVENDER AND BLUE

Anita Wehrmann.\$0.25 \$0.75

Mrs. John M. Bar- ¼ oz. Oz. ¼ lb. Lb.

ker. Wings light ¼ oz. Oz. ¼ lb. Lb.

blue on white ¼ oz. Oz. ¼ lb. Lb.

ground; stand- ¼ oz. Oz. ¼ lb. Lb.

ard lilac and ¼ oz. Oz. ¼ lb. Lb.

dark rose..... .50 1.50 4.50 15.00

Lavender Orchid. ¼ oz. Oz. ¼ lb. Lb.

..... .15 .50 1.75 5.00

Mixed Winter-Flowering Spencers

¼ oz. 20c.; oz. 65c.; ¼ lb. \$2.00;

lb. \$7.50.

New Australian Winter-Flowering Spencers for 1917

Concord Countess Improved. A larger and much finer strain of Concord Countess, blush pink on white ground, deepening at the edge of the standard. Pkt. (25 seeds) 40c., 5 pkts. \$1.75.

Concord Exquisite. Pale pink on rich cream ground, three on a stem. Pkt. (25 seeds) 40c., 5 pkts. \$1.75.

1916 Novelties—Australian Winter-Flowering Sweet Peas

Blue Flakes. Deep blue, pencilled over a delicate gray white ground; the best blue to date.

Concord Daybreak. Cream with standard heavily edged buff pink.

Concord Charm. Delicate shades of white and blue; white wings and very light heliotrope standard.

Concord Countess. Most attractive tint of pink, the ideal flower color.

Concord Blush Shades. The colors

range from white blush and creamy pink to deep pink.

Concord Mauve Shades. Fine mauve and lavender shades, highly recommended.

Concord Chief. Intense, rich deep maroon, massive Spencer form.

Concord Christmas Pink Shades. A Spencer strain of Christmas Pink coloring; as there is some variation in these they are offered as shades.

Prices on all the foregoing: Packet of 50 seeds, 40c.; 5 pkts. of one variety, \$1.75.

Boddington's Giant Pansies (New Crop)

Tr. pkt. ¼ oz. Oz.

Boddington's "Chal- ¼ oz. Oz.

lenge" Mixture.....\$0.50 \$1.50 \$5.00

Boddington's English ¼ oz. Oz.

Exhibition Mixed.... .50 2.50 8.50

Knott's Winter-flower- ¼ oz. Oz.

ing Mixed. Giant ¼ oz. Oz.

flowers of good sub- ¼ oz. Oz.

stance on long stems. ¼ oz. Oz.

Beautiful colors..... .75 2.50

Giant Masterpiece. ¼ oz. Oz.

Frisled Pansy. Petals ¼ oz. Oz.

beautifully waved; ¼ oz. Oz.

exquisite colors..... .25 1.25 4.00

Giant Trimardeau. Mam- ¼ oz. Oz.

moth flowering, and ¼ oz. Oz.

in a good range of ¼ oz. Oz.

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ture75 5.00

Giant Madame Perret. ¼ oz. Oz.

Wine colored flowers; ¼ oz. Oz.

beautifully marked.. .25 .85 3.00

Giant Lord Beacons- ¼ oz. Oz.

field. Deep purple vio- ¼ oz. Oz.

let, top petals light ¼ oz. Oz.

blue25 .60 2.00

Giant Emperor Wil- ¼ oz. Oz.

liam. Ultramarine ¼ oz. Oz.

blue, purple eye.... .25 .60 2.00

Giant Golden Queen. ¼ oz. Oz.

Bright yellow; no eye,\$0.25 \$0.80 \$2.00

Giant Golden Yellow. ¼ oz. Oz.

Yellow; brown eye... .25 .60 2.00

Adonis. Light blue with ¼ oz. Oz.

white center..... .25 2.00 7.50

King of the Blacks ¼ oz. Oz.

(Faust). Black..... .25 1.00 3.50

Fire King. Brilliant red ¼ oz. Oz.

yellow, large brown ¼ oz. Oz.

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lowish bronze..... .25 1.00 3.50

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dered white..... .25 2.00 7.50

Rosy Lilac..... .25 1.00 3.50

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During Recess

Bridgeport, Conn.

The florists of Bridgeport held their annual outing at Fred Kolb's greenhouse grounds, Capitol avenue on Aug. 13. There were 42 florists and their employes present. Fred Kolb starred as the chef at the sheep-roast which formed one of the principal features of the day, and proved a most capable caterer. The sheep issuing from the bake was toothsome and delicious. Sports were not forgotten. A baseball game between teams representing respectively the married and the single men provided plenty of amusement. The umpire of the game worked the hardest, but up to press time we have not heard whether he had arrived at any solution of the correct score of the pastime. Quoits and other equally fascinating sports were among the diversions of the day.

Massachusetts Nurserymen.

President Edward W. Breed of the Massachusetts Nursery Association entertained about forty members of that society on August 14, this being their annual outing. Starting at the Wachusett reservoir at about 10 o'clock the party inspected the dam and the surrounding shrubbery. The numerous plots of pine trees planted by the state were also inspected. From there the party journeyed to the residence and gardens of Mr. Breed on Prescott street and thence to his nurseries at Four Ponds, where luncheon was served. In the afternoon the party visited the various Thayer estates in Lancaster, their tour of observation terminating in an inspection of the Thayer museum in South Lancaster.

New York Florists' Club Alumni Association.

This unique organization composed of ex-presidents of the New York Florists' Club met on Tuesday evening, for dinner at "Billy The Oysterman," Inc., on East 20th street, with President W. A. Manda in the chair and a goodly number of specially invited guests who were in attendance at the Convention. Speeches were made by W. A. Manda, W. J. Stewart, Frank Traendly, Robert Craig, E. G. Hill, John Westcott, W. F. Gude, George Asmus and C. E. Critchell.

Connecticut Nurserymen.

The Connecticut Nurserymen's Association's annual outing was held at Lake Compounce, August fifteenth. As usual on these occasions, everyone enjoyed themselves. The barbecued lamb and other "eats" were fine. Swimming, baseball, bowling and other attractions of this popular summer

resort carried the day to pass quickly and all voted not to be one of it, not the most successful of our summer meet.

About forty-five were present.
F. L. Thomas, Sec'y.
Meriden, Conn.

Louisville Florists

The members of the Kentucky Society of Florists with their ladies and friends will hold a picnic at Storver's Grove on Thursday, August 30. Games, dancing and abundant refreshments are promised.

THE BULB SITUATION.

The steamer Parksdale has arrived from the south of France, having on board several thousand cases of French bulbs, this being the balance of the crop.

Up to the time of going to press the outlook is rather dubious for early shipments of Dutch bulbs. The west-bound freight department of the Holland-America Line states that up to this date only one ship has been authorized to sail from Rotterdam—the Waaldyk. She is carrying Dutch bulbs exclusively, numbering about 12,000 cases. This is only about twenty per cent. of the horticultural material normally ready for export at this date and the ship will be one month later than customary.

The foregoing is the only definite information we have had that any Dutch bulbs had left Holland, although we have heard a rumor that a ship left Rotterdam on August 18, carrying the Dutch Growers' Commission and that she also had some Dutch bulbs aboard.

The Poeldyk and the Maasyk have been scheduled to sail for some time past—the latter for fully a month, but she has not been permitted to leave yet. This situation has resulted in the bulb importers holding their French bulbs at stiff prices. 13-centimetre paper white narcissi are quoted, according to quantity required, at from \$14 to \$16 per 100 and 14 cm. and over, from \$16 to \$20 per 100.

PHILADELPHIA.

C. H. Grakelow is a candidate for city treasurer.

Wm. H. Westcott and family are summering at Wildwood, N. J.

Alfred Cartledge is out of the hospital and has gone to Detroit for a vacation before returning to his establishment in Wilmington, Del.

SEED TRADE

An Unpromising Outlook

A representative of the wholesale trade traveling in the West writes that the seed crop situation is such that it doesn't warrant one spending any time soliciting business, and that, in fact, the writer's chief occupation as a salesman now consists in ducking around a block rather than pass a seedsman's store, for fear he might be persuaded, in an absent-minded moment, to book an order. Western pea seed crops have gone to the bad, and if this was the only crop that was seriously short one would not feel so blue, but the fact of the matter is that one can scarcely name one of the main crops which is promising what was expected when the seed was put in the ground.

Notes.

The National Cannery Association has booked their convention for Boston in February, 1918.

Charles J. Bolgiano, of J. Bolgiano & Son, Baltimore, has just returned from a short stay at his summer home in the Alleghany Mountains. Morris B. Robinson, manager of the retail store of J. Bolgiano & Son, is now convalescent after a very dangerous attack of typhoid fever. He is spending a few weeks at Charles J. Bolgiano's summer home. Rozell Bowen, western representative of J. Bolgiano & Son, has been spending the past two weeks in Chicago.

The August meeting of the Sewickley Horticultural Society was held at Odd Fellows' Hall. Preliminary plans were made for the exhibition of flowers, fruits and vegetables on Friday and Saturday, September 28 and 29. The proceeds will be given to the Sewickley branch of the Red Cross. On Wednesday the second annual picnic of the society was held at "As You Like It," the Sewickley Heights summer home of Mrs. William Thaw, Jr., William Thompson, head gardener. There were races, quoit matches, a tug of war and swimming contests.

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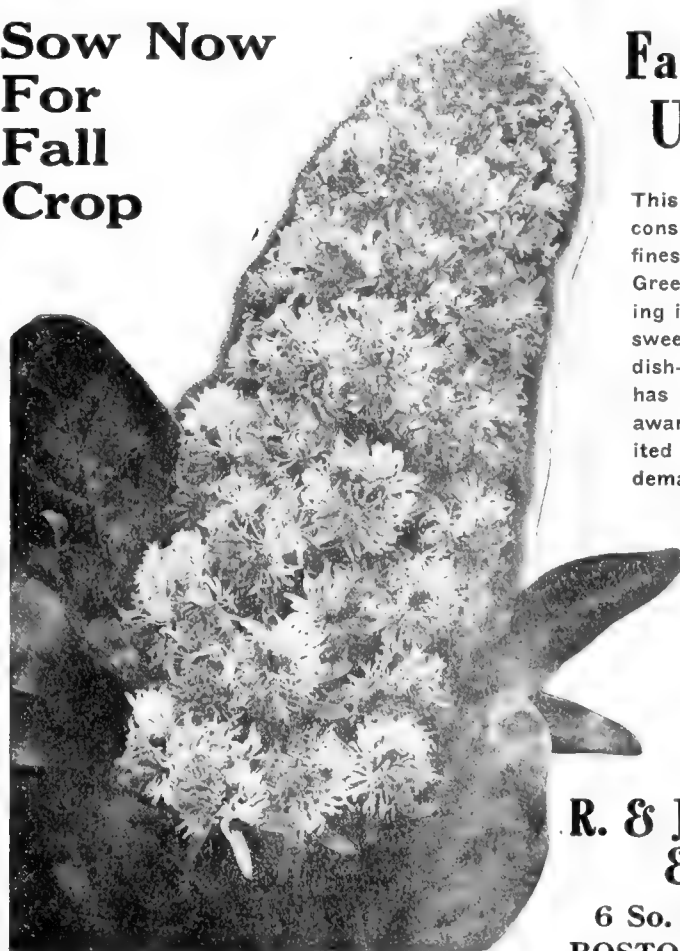
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News Items**ROCHESTER.**

Miss Orwin of Geo. B. Hart's is away on vacation.

Mr. H. J. Head of Wilson Floral Co. is spending the week end at Thousand Islands.

H. E. Wilson and family had a family picnic at Durand Eastman Park on Tuesday last.

Mrs. Owin of Rochester Floral Co. is spending a two weeks' vacation in Detroit, Mich.

Lester Brown of H. E. Wilson's Hudson Ave. store is away on a two weeks' fishing and camping trip in Canada.

The Committee of the Rochester Flower Show to be held in connection with the Exposition commencing Labor Day, met at the Floral Hall on Friday morning and made all arrangements for the display. The show promises to greatly exceed that of last year.

NEW YORK.

Martin Snell, formerly head draughtsman for Bobbink & Atkins, has accepted a position with Max Schling in a similar capacity.

John D. Knickman, who was for fourteen years in the employ of Bobbink & Atkins, has started in the growing of border perennials and other choice hardy stock, in East Northport, Long Island.

Walter R. Siebrecht has gone out of active business, having turned over his wholesale place on West 28th street to his former employees, Barney B. Jacobs and Samuel Salzberg, but still retains a minor interest. He will go into the growing of orchids in Pasadena, Cal.

CINCINNATI.

Mr. and Mrs. Gus. Adrian, Sr., are spending the summer at their cottage at Les Chenaux.

Albert Sunderbruch, Fred Bachmeier, Gus. Adrian, T. Ben. George, William Sunderman, John and Ernst Rubenschon all exhibited at the Carthage Fair, last week, and besides getting their full share of the prizes helped make the flower show the best ever seen at this fair. Credit must be given also to C. Delaney Martin, the director in charge, for his untiring efforts and zeal in looking after the interests of the florists.

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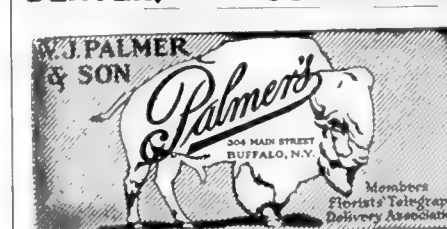
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Arenberg, Hoosier Beauty	.50	to 4.00	.50	to 4.00	2.00	to 6.00
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Killarney, Radiance, Taft	.35	to 4.00	1.00	to 3.00	1.00	to 6.00
Ophelia, Sunburst, Hillingdon	1.00	to 4.00	2.00	to 6.00	2.00	to 6.00
Carnations	.50	to 1.00	to 1.00	to
Cattleyas	50.00	to 75.00	to	60.00	to 75.00
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Lilies, Speciosum	2.00	to 3.00	to	2.00	to 5.00
Lily of the Valley	5.00	to 6.00	to	6.00	to 8.00
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Gladioli	1.00	to 3.00	2.00	to 3.00	1.00	to 4.00
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Adiantum	.25	to 1.00	to 1.00	.50	to 1.00
Smilax	6.00	to 8.00	12.00	to 15.00	25.00	to 30.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	15.00	to 25.00	25.00	to 35.00	25.00	to 50.00

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A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

Flower Market Reports

While New York, undoubtedly has been in the limelight, from a florist's point of view, during the past week owing to the S. A. F. Convention, Boston has also had a convention all its own in the national encampment of the G. A. R. and despite the influx of many thousand visitors business in the flower market has shown hardly any improvement over conditions existing a week ago. Asters are not quite as numerous but white roses have a good demand and are fairly plentiful. Top prices are being obtained for Easter lilies and the supply is good. Lily of the valley is very scarce and in consequence what little is to be obtained demands a good price.

Business is fair, although supply is not large and the call for stock is steady. Roses are in a fair supply, while asters are plentiful and sell well. Gladioli find only an ordinary market. The supply of Easter lilies is rather short. Rubrum lilies, however, are fairly plentiful and have a good market. Other offerings include hardy hydrangea and snapdragon.

A very weak and uninteresting market.

That tells the whole story in a few words this week. Gladioli and asters outnumber everything else and while there is some creditable stock of both to be had yet the majority of this material in sight is very indifferent as to quality. Large stocks of gladioli give evidence of having been cut in bulk and held in storage too long and these make a sorry showing yet take up lots of room. In asters there are some fine "asternums" which bring a fair price and would do better if they were only longer keepers. There are lots of lilies, not all of them up to standard, many of them looking like the gladioli, as if kept too long in bud. The price of lilies has lapsed back again after the favorable little spurt experienced two weeks ago. Roses are getting better every day. Of Ophelia there are some particularly nice shipments being received. Cattleyas are very scarce with most growers but those who have good Gigas and Gaskelliana just now are receiving good prices for them. Hardy hydrangeas are being sent in faster than needed. Lily of the valley is seldom seen but Bouvardia Humboldtii takes its place as a bridal flower quite acceptably.

The market authorities are agreed that we are now going through the usual mid-summer dullness, and while it is no worse than in former years, perhaps it seems just as hard to pull through. Which is equivalent to saying, like Jack Farelli: "If you want to know



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1216 H. St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Aug. 20		CHICAGO Aug. 13		BUFFALO Aug. 20		PITTSBURG Aug. 20	
Roses								
Am. Beauty, Special.....	25.00	to 25.00	20.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" " Fancy and Extra.....	15.00	to 20.00	15.00	to 20.00	12.00	to 15.00	10.00	to 12.00
" " No. 1 and culls.....	8.00	to 10.00	3.00	to 10.00	3.00	to 8.00	2.00	to 8.00
Russell, Euler, Mock.....	3.00	to 8.00	3.00	to 20.00	3.00	to 8.00	4.00	to 10.00
Hadley.....	.....	.....	.....	.....	.....	.....	.....	.....
Arenberg, Hoosier Beauty.....	3.00	to 6.00	2.00	to 8.00	3.00	to 8.00	.....	.....
Ward.....	3.00	to 5.00	2.00	to 6.00	2.00	to 3.00	3.00	to 8.00
Killarney, Radiance, Taft.....	3.00	to 5.00	2.00	to 6.00	2.00	to 6.00	3.00	to 8.00
Ophelia, Sunburst, Hillingdon.....	3.00	to 6.00	.....	.....	2.00	to 6.00	4.00	to 10.00
Carnations	1.00	to 2.00	.50	to 2.00	.....	to 1.00	.....	to 1.00
Cattleyas.....	.....	to 75.00	60.00	to 75.00	50.00	to 60.00	50.00	to 75.00
Dendrobium formosum.....	.....	.....	.....	.....	.....	.....	8.00	to 10.00
Lilies, Longiflorum	12.50	to 15.00	5.00	to 8.00	6.00	to 10.00	.....	.....
Lilies, Speciosum.....	.....	.....	.....	.....	3.00	to 8.00	.....	.....
Lily of the Valley.....	.....	.....	4.00	to 6.00	6.00	to 1.50	.....	.....
Snapdragon	3.00	to 4.00	3.00	to 6.00	.50	to 3.00	3.00	to 6.00
Gladioli	3.00	to 5.00	3.00	to 6.00	1.00	to 3.00	.50	to 6.00
Asters	1.00	to 3.00	.50	to 3.00	1.00	to 2.00	.....	.....
Sweet Peas.....	.....	.....	.25	to .75	.40	to .50	.....	.....
Marguerites.....	.....	.....	.25	to 1.00	.....	.....	.....	.....
Gardenias.....	.....	.....	.....	.....	.....	.....	.....	.....
Adiantum.....	.....	to 1.00	.....	to .75	.....	to 1.25	.75	to 1.25
Smilax.....	.....	to 15.00	20.00	to 25.00	15.00	to 20.00	12.50	to 15.00
Asparagus Plu. & Spren. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	25.00	to 35.00	40.00	to 50.00

something about anything you don't know anything about, ask me. I don't know anything," which is about as good a foolish answer to a foolish question as I know of. We all know business is "on the blink," and that it is almost a crime to waste time and paper talking about it.

Trade conditions were somewhat better than last week the past few days seeing considerable "pick up" work. The first crop of asters is about done for while the second is just coming in. The gladioli crop has begun to shorten up a little. Both flowers are of superb quality. While of fair quality, roses continue scarcer. Lillies are "fair" only.

Despite the hot weather the market was well supplied with stock during the week. Business has been quiet with the retailers. Gladioli are abundant and prices for reds and other varieties outside the Americas and whites are very low. Niagaras are selling well. The asters

on the whole are not very good, but a few good ones reach us and are sold readily for good money. The scarcity of white roses is handicapping the retailers, very few reach the market. Sweet peas are not very plentiful and the quality is not at all good. Early White pompons reach us and sell readily. My Maryland, Ward, Sunburst, Stanley and Ophelia roses arrive but not in any great quantity. Lilies are very plentiful. Greens of all kinds, continue to be plentiful.

Trade continues dull. ST. LOUIS Asters are improving in color and size. Roses are looking better. Carnations are poor and small.

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	Last Half of Week ending Aug. 18 1917	First Half of Week beginning Aug. 20 1917
American Beauty, Special	12.00 to 20.00	12.00 to 20.00
" " Fancy and Extra	8.00 to 12.00	8.00 to 12.00
" " No. 1 and culls.	1.00 to 6.00	1.00 to 6.00
Russell, Euler, Mock .....	.50 to 6.00	.50 to 6.00
Hadley .....	.50 to 6.00	.50 to 6.00
Arenberg, Hoosier Beauty .....	.50 to 4.00	.50 to 4.00
Ward .....	.25 to 3.00	.25 to 3.00
Killarney, Radiance, Taft .....	.25 to 3.00	.25 to 3.00
Ophelia, Sunburst, Hillingdon50 to 6.00	.50 to 6.00
Key50 to 4.00	.50 to 4.00
Carnations50 to 1.50	.50 to 1.50

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PITTSBURGH.

Mr. and Mrs. James Clark have returned from a visit at Conneaut Lake, Pa.

Mr. and Mrs. George Marshall have taken a cottage at Angola, Indiana, for the late season.

Miss Emma B. Maxwell of Wilkinsburg has returned from Besnus Point, Lake Chautauqua.

Miss Bertha Hughes, a saleswoman for Randolph and McClements, is spending her vacation at Sigel, Clarian

Miss Catherine Friel of the Arcade Flower Shop, left on Thursday for a two weeks' sojourn at Atlantic City.

N. Shelby Griffith, manager of the Fox Flower Shop, is spending a few days at the Crall's Greenhouse at Monongahela.

Frank Smaller, formerly with Walter A. Faulk of the North Side, left this week with Co. E, 1st Field Artillery for Camp Hancock, Augusta, Ga.

William F. Hutchison, florist for the Pennsylvania Lines West, is supervising work for a park at Avalon. Mr. Hutchison returned Thursday from a ten days' stay at Atlantic City.

Ernest Cuter, superintendent of the Richard Beatty Mellon estate on Fifth Avenue and William Pitt Boulevard, has returned from a several days' business trip in New York and Philadelphia.

Superintendent William Falconer of the Allegheny Cemetery is about to leave to attend the convention of the American Association of Cemetery Superintendents at Barre, Vt. Superintendent William Allen, of the Homewood Cemetery, who with members of his family are enjoying a trip through New England, will also probably attend the annual craft meet.

Stanley W. Hall, who has been employed with Sam. J. Goddard at Framingham, Mass., since his graduation from Amherst last year, has been appointed to succeed Prof. Hecht as assistant professor of floriculture at the University of Illinois.

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MISCELLANEOUS	Last Half of Week ending Aug. 18 1917		First Half of Week beginning Aug. 20 1917	
Cattleyas.....	75.00	to 100.00	75.00	to 100.00
Dendrobium formosum.....	.....	to 40.00	.....	to 40.00
Lilies, Longiflorum.....	3.00	to 6.00	4.00	to 8.00
Lilies, Speciosum.....	1.00	to 3.00	1.00	to 3.00
Lily of the Valley.....	4.00	to 6.00	4.00	to 6.00
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	1.00	to 3.00	1.00	to 3.00
Sweet Peas.....	.15	to .50	.15	to .50
Marguerites.....	.25	to .50	.25	to .50
Gardenias.....	20.00	to 50.00	20.00	to 50.00
Adiantum.....	.25	to 1.00	.25	to 1.00
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, & Spreng (100 bunches).....	10.00	to 20.00	10.00	to 20.00

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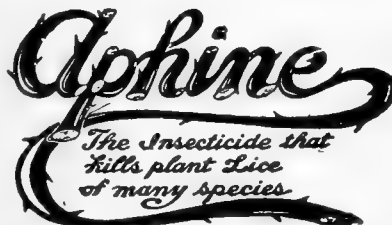
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Director New York State School of
Agriculture, Alfred University, Al-
fred, New York.

For a decade and more there has
been a decided demand for information
about greenhouses. Owners and opera-
tors, present and prospective, have been
asking for definite, concise information
about the different forms of construc-
tion, heating and equipment, and the
probable cost. Students and teachers
in Agricultural Schools and Colleges
have been demanding a suitable text-
book which will not only give opinions
but facts and figures.

This volume attempts to meet these
demands. It has been several years in
preparation. The data given is based
on experience and observation of the
author as well as on that of hundreds
of practical greenhouse builders and
owners throughout the country. The
tables and estimates are in accord with
the best engineering practice. The
book is illustrated with many photo-
graphs and drawings which greatly en-
hance the value of the text.

A special effort has been made to
make this volume of service to the
present owner of a greenhouse and to
those who may contemplate building,
whether it be a small private house or
a large commercial range. The arrange-
ment of topics has been made with
reference to a pedagogical system,
which it is hoped will be of service to
the teacher and student.

CONTENTS.—A General Survey; Gen-
eral Considerations; Structural Ma-
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and Estimates.

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the Board of Park Commissioners of
Minneapolis, Minn., for 1916 is a very
handsome publication, fully representa-
tive of the thoroughness with which
everything connected with the great
Minneapolis park system has been de-
veloped. In recognition of the fact
that the year 1917 marks the close of
the first half century of the city's ex-
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the park board, has contributed an in-
teresting detailed account of the his-
tory of the park system from its
inception. Superintendent Theodore
Wirth's report of the year's doings oc-
cupies over one hundred closely printed
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on supply has prompted the following
inquiry and reply to the authorities.
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authentic official light on the problem:

Mr. Wm. F. Gude,

Washington, D. C.

Dear Mr. Gude: In reply to your letter
of August 9th, 1917, inclosing a letter from
Mr. S. S. Pennock of Philadelphia, dated
August 7th, with regard to the inquiries
that have been sent from the Geological
Survey requesting information on both the
consumption and storage of coal:

For your information, I would say that
blanks exactly similar to those mailed the
florists have been sent to many other in-
dustries, among the larger of which are
flour mills, breweries, steam railroads,
municipal gas plants, automobiles, and
automobile motors. In all, more than 16,-
000 blanks have been mailed out requesting
information on these points. Only the
limit of the clerical force available has pre-
vented the canvass of even a greater num-
ber of industries. The object of the inves-
tigation is primarily to secure specific in-
formation on the consumption and storage
of coal in order that the proper Govern-
mental agencies may be able to act intel-
ligently on any situation which may arise.

Yours very truly,

GEORGE OTIS SMITH,

Director, U. S. Geological Survey,
August 11, 1917.

OBITUARY.

A. J. Baur

A. J. Baur of the Baur Floral Com-
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by coming in contact with an electric
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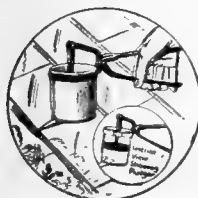
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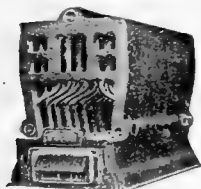
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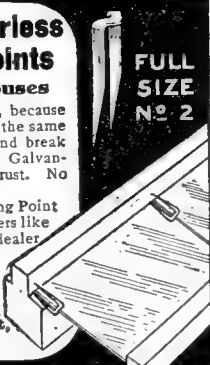
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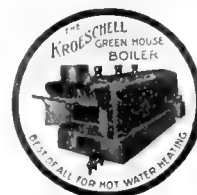
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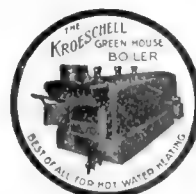
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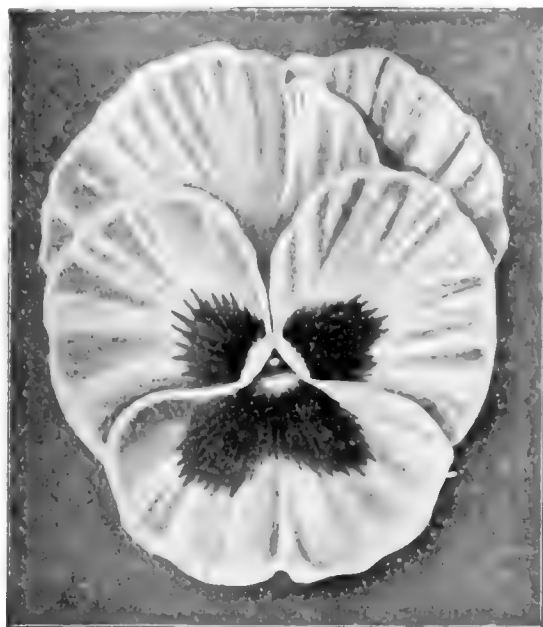
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NOTES ON CULTURE OF FLORISTS' STOCK

CONDUCTED BY

John J. M. Farrell

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Farrell. Such communications should invariably be addressed to the office of HORTICULTURE.

"If vain our toil, we ought to blame the culture, not the soil."—*Pope*.

Care of Carnations

If a shading was used while doing the planting, remove a little of it each day, so as to get it all off in about ten days. By that time if everything is in good shape the plants can withstand the sun nicely. Spraying lightly several times during a hot sunny day is a good thing, but nothing could be worse than keeping the soil of the benches soaking wet; rather keep it on the dry side if anything. See that there is plenty of ventilation day and night, and fumigate for greenfly about every ten days. Where you have not finished up planting all your house, do not lose any time now.

Chrysanthemums

Give plenty of fresh air day and night, and keep an abundance of moisture by watering and by syringing several times daily and by wetting down the walks. Keep up a diligent fight against the black aphid. Plants that are destined to figure in the coming exhibitions should have their last shift some time before September 15. To one cart load of rose soil that contains at least one-third of cow manure add from one to two bushels of pulverized sheep manure, half a bushel of soot and about sixty pounds of fine ground bone. In potting be very careful to have the drainage perfect for without it you can't have a good growth.

Pelargoniums

Lay the old plants on their sides for the next two or three weeks and keep them almost dust dry, to harden the wood which is to be used for cutting. It is time now to prepare for the propagation. If you wish to save the old plants cut all last year's growth hard back, leaving about an inch or two of the present year's growth and keep on dry side until they show signs of breaking nicely. They can then be turned out of the pots and all the soil shaken off. Trim any straggling roots and place in as small pots as possible, using a light compost. Cuttings can be put in the cutting benches and given a slight shade and kept in a moderate moist atmosphere. When rooted they can be potted into 2½-inch pots, using good soil. They should be given water sparingly at first until the pots become filled with roots when they will take more without harm.

Sowing Cyclamens

Seeds sown now will give plants for early winter flowering and later dates will do for March. It takes from twelve to fifteen months until they reach their blooming period. Sow the seed in shallow pans or

boxes, using a compost of good loam and well decayed leaf mould in equal parts, with a dash of sand and give good drainage. Keep shaded and moist and they will germinate in from four to six weeks. When they make their appearance give them plenty of light and keep as near the glass as possible and give uniform moisture at the roots. Cyclamens can be sown from now until December. Exercise care in watering and syringing. When the corms are about the size of small peas they can be transferred into other pans or flats, using loam, sand and leaf mold and in about seven to eight weeks they will be ready for 2 or 2½-inch pots.

Violets

If leaf spot appears pinch off all affected leaves and then dust with dry Bordeaux mixture. Another good remedy is to syringe the plants with a solution of potassium sulphide made by one ounce of the sulphide to a gallon of water. In applying water do not wet the entire bed unless it is dry all over. Dry places only should be watered and the remainder of the bed left untouched. The violet house should be fumigated every ten days or two weeks. Another precaution is to never water violets under glass after 10 o'clock in the forenoon. The soil should be well drained and kept only moist. During the day time even in cool weather don't let the temperature run any higher than 65 to 70 degrees. It will be necessary to withhold artificial heat and open all the ventilation possible. In a warm house the leaves will push out very rapidly although scarcely any flowers will appear. Continued warmth above the danger line mentioned is fatal to the production of flowers. The amount of heat, they should have is dependent on the weather. The main thing is that temperature must not rise over 45 degrees with fire heat.

Reminders

Pruning the heads of transplanted trees is of great assistance to the roots.

Cuttings of nearly all perennial vines strike freely now, especially the various ampelopsis.

Remove all decayed geranium cuttings from the propagating bench frequently or damping will spread to the healthy ones.

Keep the seedling primulas growing freely and see that none of the plants are loose at the collar, or damping is likely to result.

Caladiums that have been used in the store or for decoration must not be dried off at once but allowed to finish their growth first.

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No
Dutch bulbs
this year

The news, which has just reached us, declaring an embargo on the shipment of bulbs from Holland, is very disturbing and unless some modification of the edict should yet be granted, it means serious loss and derangement to a large section of the seed and florist trade of this country. The disappointment will prove a keen one to many. If any protest is to be made it should be done at once as the bulbs are now lying on the docks in Rotterdam and will soon be spoiled.

A good
time coming

There is no denying that business activity and normal prosperity has been cut into, more or less, during the past few months by existing "war conditions," more especially in the extreme eastern section of the country, where the policy of retrenchment on the part of people who have hitherto been liberal patrons of horticulture has borne heavily on floral, gardening and kindred industries. It is not to be expected, however, that this situation will continue for any great length of time. It is well known that trade interests in Great Britain, for instance, suffered a very severe set-back at the beginning of hostilities but we hear a very different story now and what happened, there is

back to, and is over but in a much more pronounced way than before. We were interested to hear what F. W. C. Brown had to say at the Convention as to the extremely prosperous conditions he had found in the florist business in England on a recent visit there. So, if your harp is suspended in the willow tree, better take it down and shine it up for the merry time that's coming.

According to the registration book, there were represented in the New York Convention attendance thirty-one states, including

District of Columbia, in territory extending from Atlantic to Pacific and from the Lakes to the Gulf, as well as outside territory comprising Canada, Cuba and Bermuda. By far the largest representation as indicated by the registration book came from Pennsylvania, Illinois counting second and Massachusetts third. The absence of any obligation to register in order to get tickets for entertainments, etc., as in previous conventions, put the registration book "into the discard" as a barometer of the attendance on this occasion and the great majority, especially of local people, came and went without being recorded, so that a close comparison of the 1917 event with its predecessors, on the basis of attendance, is out of the question, but "the cream of the trade" was well represented and the interest in the proceedings was well maintained as witness the vote for officers which far exceeded that recorded at either one of the two former New York conventions. It was a business convention throughout, serious but very good-natured withal.

Still in
abeyance

The very pertinent question of protection against the abuse of the credit system has been prominently before the trade for many years. Twenty-nine years ago, at the first New York Convention, it was introduced by President E. G. Hill who said:

"This is an important and somewhat delicate subject for us to discuss but it is of such moment as to demand consideration at our hands. Kindred associations have their protective unions for preventing the dishonest from imposing upon the unsuspecting . . . The ledgers of many of the gentlemen present today could testify the need of some measure of relief being adopted by the Society. I might suggest that it be made the province of the Society, through the medium of the secretaryship, to post, on information furnished by reputable members, dishonest and unreliable men whether they be members or not. It certainly is and should be the duty of the officers of this Society to drop from membership, on a written complaint of a given number, men who persistently refuse to honor their just obligations."

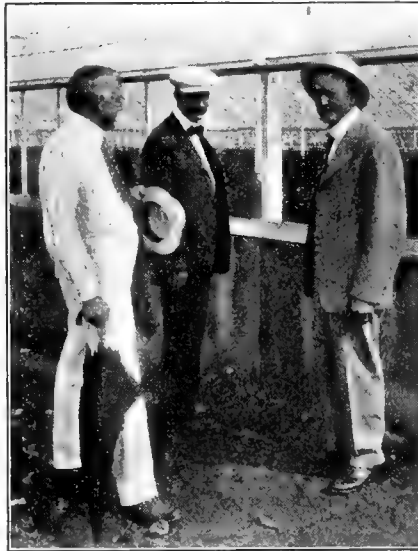
The effect of Mr. Hill's recommendation was the appointment of a special committee consisting of J. C. Vaughan, chairman, M. A. Hunt, J. D. Carmody, Robt. J. Halliday and Robert Craig. This committee reported at the convention in Buffalo the following year, recommending the formation of a branch society to be known as the Florists' Protective Branch of the S. A. F., and giving details of the proposed method of conducting it, making membership in the S. A. F. a prerequisite to membership in the Protective organization. This report was discussed with considerable vigor and the Constitution and By-laws of the "Florists' Protective Association" appears as an appendix to the S. A. F. report for 1889. Without going farther into the subsequent history of the original movement for a better regulation of business credits, we should say that the project as it appears today after a lot of hard threshing by Mr. Welch's committee, appears to stand just about where it did in 1888.



Here it was that the eighteen autos lined up while the jolly party had their luncheon.

On Friday, the day following the adjournment of the convention, there took place one of the most enjoyable recreative events in connection with any S. A.-F. meeting—a "pleasure and profit trip" to Elizabeth, N. J., where the Hitchings & Co. factory is located, and thence through the "New Jersey Berkshires," calling at the new Duckham-Pierson greenhouse range in Madison, L. B. Coddington, Murray Hill, historical shrines in Morristown, Chas. H. Totty's, Madison, and other points of interest.

As foreshadowed in our advance program of the convention attractions, this outing on invitation of Hitchings & Co. was one of the most enjoyable features of the week. There were about one hundred and twenty-five in the party. After the visit to the Hitchings factory the guests were entertained at luncheon at the Elks' Club in Elizabeth.



THREE CELEBRITIES.

Lincoln Pierson, Wm. H. Duckham and E. G. Hill. Photo taken at side of a Duckham-Pierson house, just after E. G. Hill has given it his seal of approval.

In his publicity address before the S. A. F., Mr. Therkindson said that "The public of today is a picture-reading public," which is undoubtedly true, so we present the accompanying pictures in lieu of a more extended reading account of this memorable occasion.

WHAT IS FAME?

What flowers next winter's brides will wear and the size and shape of their wedding bouquets will be decided this week at the 33d annual trade convention of the Society of American Florists and Ornamental Horticulturists at New York, and Lynn girls who expect to become "war brides" will watch with interest the newspaper reports of the doings of the delegates.—*Lynn (Mass.) News.*

The annual convention of the Society of American Florists and Ornamental Horticulturists will be held at Grand Central Palace, starting today and continuing until Thursday night. It is estimated that 20,000 florists from all over the United States will attend.

The convention this year is one of the most important ever held by the organization, in view of the needs of increasing the vegetable supplies of the nation. Plans for the scientific cultivation of hitherto unproductive land will be presented and a committee appointed to confer with Herbert C. Hoover.—*N. Y. Tribune.*



This is at the Duckham Pierson range -- the first of the greenhouses visited, after the trip to the factory and lunch at the Elks' Club in Elizabeth.

SOCIETY OF AMERICAN FLORISTS and ORNAMENTAL HORTICULTURISTS

CLOSING SESSION OF THE NEW YORK CONVENTION, THURSDAY AFTERNOON, AUGUST 23.

The interest which had characterized the previous sessions continued unabated to the close. The proceedings of the afternoon session, on the third and closing day comprised reports by J. L. Welch of the Trade Exhibition, and on the Convention Garden, Committee on National Credits and Collections Bureau, National Flower Show Committee and several items of unfinished business.

The committee on the recommendations in the president's address, Messrs. P. Welch, George Asmus, C. E. Critchell, H. P. Knoble and Joseph Heacock, reported favorably on all points and the report was unanimously approved and adopted.

George Asmus, as Chairman of the National Flower Show read his report in full on the work being done by that important body and the promising outlook for the show at St. Louis next spring.

(This report complete will appear in next week's issue of HORTICULTURE.)

CREDIT AND COLLECTIONS BUREAU.

Chairman Patrick Welch of the Committee on Credits and Collections reported on Thursday afternoon as follows:

We, the members of the committee on credits and collections, at a meeting held Monday evening, August 20, and at an adjourned meeting held Tuesday, August 21, at the Hotel Biltmore, New York, for the purpose of considering the question of the best means for the Society of American Florists to put into practical operation a system of collections and the establishing of credit in conformity with the suggestions offered by the chairman in his reports, offer the following resolution:

Resolved, That a committee of five members of the Society of American Florists be appointed by the President who shall be given full power to obtain a charter in any of the States or District of Columbia, and to organize a corporation for the purpose without any liability to the Society of American Florists and further that the committee have power to deal with any established agency if they see fit.

As a part of the report and explanatory of the movement which the committee advocated, Mr. Welch addressed the convention, in part, as follows:

For the past twenty years the question of credits has been one of the greatest interest to the commercial growers of horticultural products in this country and it is now not considered a reflection on a merchant's honesty or business ability if he is asked for a statement of his finances, as he realizes such information en-

able for him to conduct their affairs intelligently.

Attempts have been made to establish local agencies where a limited number of houses doing business in a restricted way have agreed amongst themselves to list those with whom they do business and in some cities this method has proved successful, as shown by the New York Wholesale Florists' Protective Association and the American Nurserymen's Association and American Seed Trade Association who have in successful operation credit and collection bureaus under their own auspices.

The statisticians claim that 90 per cent of the business concerns of the country fail or are liquidated at some period of their existence. It is sometimes hard to anticipate these losses, but it seems reasonable to suppose that many losses experienced by our people might be avoided if only the proper precautions were taken. I believe that 3 per cent. of the total sales within the past ten years has been lost to the horticultural interests by bad debts. No more important question can come before us at this time than that of evolving ways and means by which this drain on our resources may be reduced to a minimum.

In order that our trade may be conducted on honorable and equitable lines, we must place more stress on the dispensation of credit. Only by united action and by intelligent organized efforts on the part of those engaged in horticulture in this country can we preserve our own business and compete fairly, honestly and honorably with others. We should unite to eliminate all trade abuses, cancellations, excessive and uncalled-for discounts and all other unbusinesslike practice on the part of customers and ourselves.

Let us try to make men realize the absolute necessity of fidelity to their promises and to establish once and for all the principles developed in the individual whose word is as good as his bond.

At the Convention in San Francisco, 1915, the President called attention to this matter in the following statement:

"Even forcibly reminded by a large number of the members of our Society of the pressing necessity for creating a national bureau of credits, a central office where credit information can be kept and reference obtained. The commercial interests of our business have grown to such an extent that in twenty-five years, as the call for a more up-to-date standard of business practice. There ought not to be any objection to the fact that it is a great deal of business, but little management, that we are now doing. It shouldn't be, however, but it is a condition so that it can be used mutually by both debtor and creditor. The rights of the rights of the commercial life, liberty and the pursuit of the business should be applied and not just not be applied, but it should be applied in the way that it should be considered and

adopted by which the financial standing, honesty and integrity of the commercial florists can be ascertained, determined and organized. We can members to the credit that florists can get, just and credit, and has been so far as being singled out from the unjust and the capricious operators."

Mr. Welch here quoted at length from similar views previously expressed by other prominent members, including George Asmus, Walter W. Coles, C. L. Washburn, August Poehlmann, W. F. Gude, Thomas Roland, Ernest Wienhoeber, Irwin Bertermann and Alexander Henderson.

Should the Society through its own members incorporate and sell stock which would entitle each stockholder to the corporation earnings? Or would it be more practical and fully as useful to our members for the work to be done by an established commercial agency already operating in Chicago, New York and Boston?

If we should organize a corporation it should be capitalized for at least \$50,000 in one thousand shares of Fifty Dollars (\$50) each, and have an office in any of the cities with sufficient office force, all subject to the jurisdiction of the Board of Directors. The annual dues to be paid by subscribers to be at least \$25.00 and each subscriber would be entitled to a certain number of reports to be agreed upon later. Such an organization while serving a useful purpose would necessarily have to acquire its credit information slowly, its growth would be a healthy one and eventually we would have a credit organization of our own which would be practical, in time grow to be self-sustaining.

If we adopt the second method of endorsing any of the established credit associations in some way associated with our branch of business, the information it would give would be more or less limited as such organizations are of territorial rather than national scope.

The resolution as presented by Mr. Welch was adopted and the President authorized to appoint a new committee of five members accordingly.

A handsome chest of silverware was presented to President Kerr as one of the concluding episodes of the Convention of 1917. The speech of presentation was made by John Westcott of Philadelphia in his felicitous way and the recipient responded in words of grateful appreciation.

CONVENTION ROOTED CUTTINGS.

"Jules Bourdet is a good man for St. Louis. He 'does things.'"

—Frank X. Gorly.

"You're all ill. You've got a good doctor and you refuse his medicine."
—Mar Schling on Publicity Committee Recommendations.

The "young blood" is coming well

to the front in the administration of the affairs of the S. A. F.

"There is no reason to be pessimistic. Let us stand erect, hold our heads up and don't let us 'hang our harps on the weeping willow tree.'" —E. G. Hill.

A reception to visitors, with refreshments, was given by the publishers of the Florists' Exchange on Thursday afternoon from 1 to 3 o'clock.

The most enthusiastic ovation of the entire Convention was that given to Ex-president Patrick Welch when he came forward to second the nomination of Chas. H. Totty.

In our list of ex-presidents seated on the platform at the opening session, Tuesday afternoon August 21, we inadvertently omitted the name of Patrick Welch. He was right "on the job" there and all through the Convention.

From all sides there came expressions of approval and satisfaction from those who had space in the trade exhibition. Abundant room, excellent arrangements and a good amount of business is the verdict generally.

Those "M. I. P. brand" red white and blue cradles shown in The Bayersdorfer exhibit "caught on" at once. It is said that Martin Reukauf sold over one thousand of these cute little basket novelties on his last trip to the Coast.

"War problems will be overcome by the American people in due time. This scarcity of imported plants should give a great boom to other things—French hydrangeas for example, and the finer kinds of antirrhinums and campanulas for Easter plants. We can find plenty of good substitutes for Azaleas."

—Robert Craig.

President Kerr made a good record as a presiding officer, better by far than some of his illustrious predecessors. He was distinctly in his element at the session where the publicity subscription fever was at its height and the shouting reminded one of the stock exchange when a boom is on.

On Thursday evening the ladies were entertained at the McAlpin Hotel, according to program, by the New York Florists' Club. There were refreshments, music and dancing, and we need only add that the details were under the management of Philip F. Kessler to indicate that the affair was simply perfect from start to finish.

THE PRESIDENT-ELECT OF THE LADIES' S. A. F.

HORTICULTURE congratulates the S. A. F. ladies on their selection of Mrs. Julius Roehrs of Rutherford, N. J., as their standard bearer for 1918. This popular young lady has been a faithful worker in the organization for years; she is "to the manor born," her father being C. E. Koch, a well known Flat-bush plant grower; and we know the Ladies' S. A. F. will enjoy a prosperous year under her administration.

CLUBS AND SOCIETIES

NATIONAL ASSOCIATION OF GARDENERS.

The summer meeting of the Executive Board of the National Association of Gardeners was held at the Murray Hill Hotel, New York City, on Thursday, August 23. Ex-President William N. Craig occupied the chair.

President Thomas W. Head and Vice-President Theodore Wirth wrote that owing to the general conditions at the present time it was impossible for them to come east. Mr. Head advised that his local entertainment committee on the 1917 convention is actively engaged in planning the program and providing for the comforts and entertainment of the visitors at Chicago. Mr. Wirth submitted a number of recommendations for the consideration of the board.

The secretary's and treasurer's financial reports showed the association to be in a flourishing condition. 116 new members have been added to the roll since the Washington convention in December, 1916, and 45 delinquent members have been dropped for non-payment of 1916 dues.

William F. Gude, of Washington, D. C., an honorary member of the association, who was chairman of the committee that planted the Yew tree at Washington's tomb, Mt. Vernon, Va., last April, attended the meeting and made a report of the successful planting of the tree.

After a long discussion it was decided that the association was not yet strong enough financially to extend the activities of the Service Bureau beyond its present scope, but that the Bureau be maintained along the present lines until the next meeting. It was decided that the members of the association who have already enlisted and who may enlist in their country's cause should be carried on the books of the association, without payment of dues, until the termination of the war.

A committee was appointed to revise the By-Laws, with instructions to present the revised By-Laws at the Chicago convention. The secretary was instructed to communicate with the different local horticultural societies within reasonable distance of New York to plan for a suitable date for a meeting in New York City to which the local societies may send a representative of their local co-operative committees to formulate plans for closer co-operation between the local societies and the national organization.

Tuesday, Wednesday and Thursday, December 4-5-6th, were voted as the dates for the Chicago convention. The general program will be in charge of the local committee appointed by President Head. From reports received it appears that a big delegation may be looked for from eastern and other points.

Dedication of the new Horticultural Hall at Manchester-by-the-Sea, Mass., took place on Thursday afternoon, August 30. Particulars in next week's issue.

LANCASTER COUNTY FLORISTS' ASSOCIATION.

The regular meeting was called for and at the home of B. F. Barr, on August 16. A majority of the members came in autos and early enough to inspect the 94 acres of farm and nursery, where there is fourteen acres of fine tobacco, a good acreage of wheat and corn and a fine herd of Holstein cattle.

In the nursery we found a great variety of conifers, shade trees and shrubbery. The lawn is filled with old majors of trees that money could neither buy nor replace and shrubbery borders as well as a formal garden.

President H. A. Schroyer called the meeting to order on the balcony. After a bit of preliminary business Mr. Fred Ritchy was called upon to give an account of a recent 1600 mile auto trip extending as far east as Boston.

Arthur Neissen of Philadelphia, being called on for remarks stated that a number of carnation growers were dropping carnations and going into roses which he thought ought to be good news to this carnation growing section as it would help to equalize the flower situation next winter. He commented on the fact that we Lancaster men should consider ourselves well off in the matter of labor as it was simply impossible to get it in some sections. He strongly advised growing high-grade stock and watching all items of expense in doing it.

The next meeting will be Sept. 20th, in the regular rooms at the Lancaster Chamber of Commerce 7.30 p. m. A report of the N. Y. Convention will be made by B. F. Barr and the writer, and we hope to see many friends at this meeting. ALBERT M. HERR.

CLUB AND SOCIETY NOTES.

The Newport Garden Club held its second meeting in its new home, the former Brien residence, Wednesday afternoon, Aug. 15, when a large number of members and friends were present to listen to a talk on "Gladioli" by Mrs. B. Hammond Tracy. Awards for the flowers exhibited were as follows: Mrs. Thomas J. Emery, silver medal, for new and rare hardy plants; Miss Fanny Foster, medal, for seedling gladioli; B. Hammond Tracy, bronze medal and gratuity, for new varieties of gladioli; Oscar Shultz, bronze medal for amaryllis; Fred P. Webber, certificate of merit and gratuity for primulinus hybrids; Mrs. Charles F. Hoffman, cultural certificate for Mrs. Frank Pendleton gladioli; Miss Rosa A. Grosvenor, cultural certificate for gladioli.

The Prize List for the plant and flower department of the Rochester (N. Y.) Exposition has been issued and should bring out a good exhibition both in the professional and amateur sections. The dates are September 3 to 8 inclusive. The committee in charge consists of Chas. H. Vick, chairman, George T. Boucher, H. B. Springer, Fred C. Thomann and E. P. Wilson. Edgar F. Edwards is secretary and manager.

AMERICAN ROSE SOCIETY

A meeting of the American Rose Society was called to order by President Hammond at 11 o'clock, August 23, 1917, in Grand Central Palace, New York.

President Hammond introduced H. P. Knoble, General Chairman Cleveland Flower Show Committee, who outlined the plans for the exhibition at Cleveland on Nov. 8 to 11, 1917, and asked that the A. R. S. send a good exhibit for this show. Because of lack of space in the only available building there could be no large exhibition groups of roses, but plenty of space could be found for the ordinary exhibition vases. President Hammond referred to the fact that the Society took official action on exhibiting at this show at the last annual meeting and stated that the Society would appoint competent judges.

F. L. Mulford, of Washington, D. C., Chairman of Committee on Nomenclature stated that at the Philadelphia meeting a report on nomenclature was referred back to the committee to be considered by them in a joint session with the committee on registration. It had been found impossible to arrange for this joint meeting, but because of the fact that a code should be adopted before the next Rose Annual is published the committee asked for the adoption of a revised report. After discussion and amendments the following report was accepted by the Society as its official rules regarding nomenclature:

Code of Nomenclature of the American Rose Society.

Preamble.

Realizing the great confusion and inconvenience that arises from a duplication of names and recognizing the great convenience and satisfaction to the rosarian, and especially to the cottage gardener, of simple usable names, the American Rose Society adopts the following rules of nomenclature to apply to the names used in all the publications of this society and at its exhibitions, and at exhibitions to which it contributes medals.

Priority.

Rule 1. No two varieties of roses shall bear the same name. The name first published shall be the accepted and recognized one, except in cases where the name has been applied in violation of this code.

Name.

Rule 2. In selecting names for varieties the following points should be emphasized: distinctiveness, simplicity, ease of pronunciation and spelling, indication of origin or parentage.

Publication.

Rule 3. Publication consists (1) in registration with the American Rose Society; or (2) in the distribution of a printed description of the variety named, giving the distinguishing characters of flower, foliage, plant, etc., or (3) in the publication of a new name for a variety that is properly described elsewhere, such publication to be made in any book, bulletin, report, trade catalog or periodical, providing the issue bears the date of its publication and is generally distributed among rose-growers, florists, nurserymen and horticulturists; or (4) in certain cases the general recognition of a name for a propagated variety in a community for a number of years shall constitute publication of that name.

Citation.

Rule 4. In the full and formal citation of a variety name, the name of the originator or introducer who first published or exhibited it, shall also be given.

Revision.

Rule 5. No properly published variety name shall be changed for any reason except as set forth in this code, nor shall an official variety be substituted for that originally described thereunder. Necessary changes to conform to the provisions of this code shall be recommended by the Committee on Nomenclature and adopted by vote of the society before being officially recognized.

Enforcement.

Rule 6. A. The secretary shall withhold registration of any name not conforming to these rules, or, if in doubt, shall refer the application to the nomenclature committee for recommendation.

B. The society will withhold its medals and money prizes from American roses whose names do not conform to these rules, or foreign roses not exhibited under the names as modified by the society.

C. The secretary and editor of the publications of the American Rose Society are empowered and directed to carry out these rules in all literature issued by the society.

In applying the foregoing rules the following principles shall be recognized.

Rule 1—Priority.

A. The paramount right of the originator, discoverer, or introducer of a new variety to name it within the limitations of this code, is recognized and emphasized.

B. Where a variety name through long usage has become thoroughly established in American floricultural literature for two or more varieties, it should not be displaced, or radically modified for either variety except in cases where a well known synonym can be advanced to the position of leading name. The several varieties bearing identical names should be distinguished by adding the name of the originator or introducer of each sort, or by adding some other suitable distinguishing term that will insure their identity in catalogs or discussions.

C. Existing American names of varieties which conflict with earlier published foreign names of the same or other varieties, but which have become thoroughly established through long usage, shall not be displaced.

Rule 2—Naming.

A. No variety shall be named unless distinctly superior to existing varieties in some important characteristic, nor until it has been determined to disseminate it.

B. When the extremes of a case make it appear expedient, such words as white, red, double and similar ones, may be used as part of a name, but not such names as seedling, hybrid or sport.

C. The spelling and pronunciation of a varietal name derived from a personal or geographical name shall be governed by the rules that control the spelling and pronunciation of the name from which it is derived.

D. A variety imported from a foreign country shall retain its foreign name, subject only to such modification as is necessary to conform it to this code.

E. The name of a person should not be applied to a variety during his life without his expressed consent. The name of a deceased horticulturist should not be so applied except with the consent of his or her heirs.

F. The use of a latinized name for a variety, or a cross, or hybrid is not admissible.

G. The use of a number, either singly or attached to a word, should be considered only as a temporary expedient while the variety is undergoing preliminary test.

H. In applying the various provisions of this rule to an existing varietal name that has through long usage become firmly imbedded in American floricultural literature, no change shall be made which will involve loss of identity.

Rule 3—Citation.

A. In determining the name of a variety to which two or more names have been given that which was published first in conformity to the rules of this code, shall be recognized.

On motion of Robert Pyle it was voted that it shall be allowable to use

a name for a variety which has been in previous existence provided the name has not been in use for at least twenty years. E. G. Hill asked if the same name could appear in two groups of roses as for example in the hybrid tea group and the Wichuradana group. It was the opinion of the society that it could not.

Applications for registration of four new roses were received and referred to the Executive Committee for action.

Robert Pyle stated that recently he had visited Dr. C. S. Sargent, at the Arnold Arboretum and had found him enthusiastic over establishing at the Arboretum the most complete and elaborate rose garden in the country. It was Mr. Pyle's opinion that the A. R. S. should stand back of this project and assist Dr. Sargent in every way possible.

W. R. Pierson called attention to the invitation which the A. R. S. accepted at the annual meeting in Philadelphia to visit the Hartford Rose Test Garden in June, 1918. Mr. Pierson stated that plans are underway for the enlargement of this garden and that it is proposed to call it the Convention Garden. A new area is being laid out and there is room for 3,000 more plants. Mr. Pierson hoped there would be a generous donation of varieties by growers that the beds might be filled.

The secretary called the members attention to the comparatively small number of members of the S. A. F. and O. H. who are members of the A. R. S. and urged the members present to co-operate in an endeavor to enlarge the membership list from the ranks of the S. A. F. and O. H.

Executive Committee Meeting.

A meeting of the Executive Committee of the A. R. S. was held in the Grand Central Palace, August 23, 1917. Treasurer Harry O. May reported that there is now a balance in the treasury of \$1,047.28.

A committee consisting of Messrs. May, Simpson and Kiemel was appointed to arrange the cut flower rose premium list for the National Flower Show to be held at St. Louis.

The resignation of Admiral Ward was accepted and the secretary was instructed to write him a letter expressing the committee's deep regret at his resignation and their appreciation of his wise counsel in the Executive Committee meetings; also their hope that conditions may soon make it possible for him to meet with them again.

Favorable report was made on the registration of the two following varieties:

Name—Ophelia Supreme; Class, Hybrid Tea; Parentage, a sport of Ophelia to be introduced by Daille-douze Brothers, Brooklyn, N. Y. Habit of plant, character of foliage, freedom of growth, and hardness, same as Ophelia. Flower, light rose pink with darker shading in the center and yellow at base of each petal. Form, fragrance and bud, same as Ophelia. Petalage, four to five more than Ophelia. Freedom of bloom and lasting quality, same as Ophelia. The rose is similar to Ophelia but is different in color and superior for the following reasons:—Has more petals and a much superior color, resembling

M. I. P.

M. I. P.

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M. I. P.

Souv. De La Malmaison, but much brighter.

Name: Frederick R. M. Undritz; class Hybrid Wichuraiana: Parentage, Dr. Wm. Van Fleet × Belle Siebrecht; Origin, hybridized by Frederick R. M. Undritz.

Description:—Habit of Plant, climbing. Character of Foliage, Dr. Wm. Van Fleet foliage. Freedom of growth, very vigorous. Hardiness, perfectly hardy. Flower, double, four inches in diameter. Color, dark pink. Form, centre projecting, medium long. Fragrance, quite fragrant. Bud,

pointed and firm. Petalage, 53 petals, curved, stiff, centre close. Freedom of bloom, profusely in June, may bloom later. Lasting quality, on bush five or six days.

The rose is similar to Dr. Wm. Van Fleet, but is different in color and petalage, and superior for the following reasons:—(1) The color is darker, (2) The rose is fuller, and bud firmer, (3) the petals are stiffer. (4) The rose lasts much longer. (5) The rose does not fade. (6) Excellent for cut flowers because it has but one flower to a branch.

Acres. 10 spikes Europa, John Lewis Childs, Inc. 10 spikes Nigelfuerst, John Lewis Childs, Inc.

G. D. Black Prize—12 Golden King, John Lewis Childs, Inc.

Brown & Son Prize—For Mauve, Lilac or Violet Seedling, Cedar Acres.

Edgerton Prize—3 spikes Lily White, H. E. Meader.

Most artistic display, not more than 150 sq. ft., Mrs. H. Darlington.

Fairbanks Prizes—12 White, Madison Cooper, 12 Pink, 1st, Mrs. H. Darlington; 2d, Madison Cooper. 12 Red or Crimson, 1st, Mrs. H. Darlington; 2d, Wm. Shillaber, Essex Falls, N. J., gard. J. P. Sorenson. 12 Yellow, 1st, Madison Cooper; 2d, Mrs. H. Darlington. 12 Blue, Purple or Lavender, Madison Cooper.

Havemeyer Prizes—12 any other color, 1st, Mrs. H. Darlington; 2d, Madison Cooper. 12 Lemoinei type, Mrs. H. Darlington. 12 Primulinus Hybrids, 1st, Mrs. H. Darlington; 2d, Madison Cooper. 5 White, 1st, Madison Cooper; 2d, Mrs. H. Darlington. 6 Pink, 1st, Mrs. H. Darlington; 2d, Madison Cooper. 6 Red or Crimson, 1st, Madison Cooper; 2d, Mrs. H. Darlington. 6 Yellow, 1st, Mrs. H. Darlington; 2d, Madison Cooper. 6 Blue, Purple or Lavender, Mrs. H. Darlington. 6 any other color, 1st, Madison Cooper; 2d, Mrs. H. Darlington. 6 Lemoinei Type, 1st, Madison Cooper; 2d, Mrs. H. Darlington. 6 Primulinus Hybrids, 1st, Mrs. H. Darlington; 2d, Madison Cooper. 6 Ruffled, 1st, Madison Cooper; 2d, Mrs. H. Darlington. 6 varieties, 3 spikes each, 1st, Mrs. H. Darlington; 2d, Madison Cooper.

Vethuys Prize—Most artistically arranged group, Mrs. H. Darlington.

Gage Prizes—6 Mrs. Frank Pendleton, 1st, Madison Cooper; 2d, Mrs. H. Darlington.

Carter's Tested Seeds Prizes—10 varieties, 1 spike of each, 1st, Madison Cooper; 2d, Mrs. H. Darlington.

Sweet Prize—3 spikes, Madison Cooper.

Chase Prize—3 spikes, Mrs. Watt, Mrs. H. Darlington.

Cowee Prize—25 spikes Peace, Mrs. H. Darlington.

Silver medal, Best exhibit of at least 15 varieties, Madison Cooper.

Modern Gladiolus Grower Prize—For best display, 10 to 20 spikes, Mrs. H. Darlington.

Garden City Achievement Medal won by Mrs. H. Darlington, gard. P. W. Popp, with fifteen first prizes.

Special Prizes Awarded by the Horticultural Society of New York: William Sim, Cliffondale, Mass., for display of seedling gladioli, Silver Medal.

Mrs. H. Darlington, Mamaroneck, N. Y., gard. P. W. Popp, Collection of Dahlias, Special Prize.

Vaughan's Seed Store, Display of Gladioli, Silver Medal.

H. E. Meader, Dover, N. H., Gladiolus Myrtle, Certificate of Merit.

Mrs. F. A. Constable, Mamaroneck, N. Y., gard. James Stuart, Buddleia magnifica and Artemisia lactiflora, Special Prize.

John Scheepers & Co., Inc., New York, Collection of White Seedlings, Certificate of Merit; Display of Seedlings, Certificate of Merit.

AMERICAN GLADIOLUS SOCIETY

The eighth annual exhibition of the American Gladiolus Society was held at the Museum Building, Bronx Park, New York, opening on August 23, the closing day of the S. A. F. Convention and continuing until August 26. The show was very fine and was well attended. At the session of the society in connection with the exhibition A. E. Kunderd, of Goshen, Ind., was chosen president, succeeding Chas. F. Fairbanks of Boston.

List of Awards.

Best and largest collection, John Lewis Childs, Inc., Flowerfield, N. Y.

15 varieties, 12 spikes of each, John Lewis Childs, Inc.

25 varieties, 3 spikes of each, 1st, C. Zeestreeten, Bemus Point, N. Y.; 2d, Thos. Cogger, Melrose, Mass.

25 spikes artistically arranged, 2d, Thos. Cogger.

25 spikes White, 1st, Cedar Hill Nursery, Glen Head, N. Y.; 2d, C. Zeestreeten.

25 Red, 1st, C. Zeestreeten; 2d, Thos. Cogger.

25 Crimson, John Lewis Childs, Inc.

25 Pink, 1st, Cedar Hill Nursery; 2d, H. E. Meader, Dover, N. H.

25 Yellow, 1st, Cedar Hill Nursery; 2d, John Lewis Childs, Inc.

25 Blue or Lavender, 1st, John Lewis Childs, Inc.; 2d, C. Zeestreeten.

25 Purple, 1st, H. E. Meader; 2d, Cedar Acres.

Most artistic display, 250 sq. ft. or more, Cedar Acres, Wrenham, Mass.

25 any other color, 1st, Cedar Hill Nursery; 2d, C. Zeestreeten.

25 Lemoinei type, 1st, John Lewis Childs, Inc.; 2d, Cedar Hill Nursery.

25 Primulinus Hybrids, Yellow, 1st, John Lewis Childs, Inc.; 2d, Madison Cooper, Calcium, N. Y.

25 Primulinus, Orange, 1st, Cedar Acres; 2d, Madison Cooper.

25 Primulinus, any other color, 1st, Madison Cooper; 2d, Cedar Acres.

25 Ruffled, 1st, Thos. Cogger; 2d, John Lewis Childs, Inc.

25 any variety not in commerce previous to 1917, 1st, Cedar Acres; 2d, Riverbank Gardens, Saxtonville, Mass.

5 varieties, 12 spikes of each, 1st, Thos. Cogger; 2d, John Lewis Childs, Inc.

5 varieties, 12 of each, White, John Lewis Childs, Inc.

5 varieties, 12 of each, Pink, 1st, Cedar Hill Nursery; 2d, John Lewis Childs, Inc.

5 varieties, 12 of each, Red or Crimson, John Lewis Childs, Inc.

5 varieties, 12 of each, Purple, Blue, Lavender or Mauve, John Lewis Childs, Inc.

5 varieties, 12 of each, Yellow, 1st, John Lewis Childs, Inc.; 2d, Cedar Hill Nursery.

New seedling, one spike, 1st, John Scheepers & Co., Inc., New York City; 2d, Cedar Hill Nursery.

12 spikes, one variety not in commerce, 1st, Cedar Acres; 2d, Riverbank Gardens.

6 spikes, one variety not in commerce, 1st, John Scheepers & Co., Inc.; 2d, Cedar Acres.

Burpee Prizes—Collection, 10 varieties, 6 spikes of each, 1st, Thos. Cogger; 2d, John Lewis Childs, Inc.

Meader Prize—For best Yellow Primulinus Hybrid Seedling, John Scheepers & Co., Inc.

Hitchings Cup—For most artistically arranged basket or hamper, Mrs. H. Darlington, Mamaroneck, N. Y., gard. P. W. Popp.

Coleman Cup—For best Yellow Seedling never before exhibited, Cedar Hill Nursery.

Munsell & Harvey Prize—For best vase, Red, E. M. Smith, East Hartford, Ct.

Betscher Prizes—25 Primulinus Hybrids, Cedar Acres. 25 Crimson Glow, Cedar

SEED TRADE

American Seed Trade Association Annual Report.

The annual report of the A. S. T. A., which has just been issued is a very complete and interesting volume of 112 pages, on heavy paper and typographically excellent. It contains a full report of the proceedings, papers, addresses, discussions, reports of committees, etc., at the thirty-fifth annual convention held at Detroit, Mich., June 19-21, 1917. Also Constitution and By-laws, roll of members and details of local entertainments etc. A portrait of the retiring president, Kirby B. White, appears as frontispiece.

Select Healthy Bean Seed Now.

Every bean grower without delay should take steps to secure good seed for next year's planting, either from his own crop or from fields which he knows to be free from anthracnose and blight, the bean specialists of the United States Department of Agriculture advise. Seed from plants killed by frost before the pods are dry and mature should not be used. The use of good seed—properly ripened, plump, intact, and free from disease—is essential for securing large yields. It is crop insurance for growers to lay in their seed while there is still opportunity to inspect the fields or they can pick from the cream of commercial stocks instead of having to take whatever may be available later.

Wants Information as to Seed Stocks.

Washington, D. C. The fact that in some sections there is a shortage of good seed while in others there is a surplus makes it possible for the Committee on Seed Stocks of the United States Department of Agriculture to help in the distribution of these surpluses. The Committee wishes, therefore, to locate all available stocks of good seed of agricultural crops, especially wheat, oats, rye, crimson clover (in the hull or hulled), and hairy vetch. The Committee will be glad if anyone, farmer or dealer, will send information in regard to the quantities and prices of seed of the above sorts which he can offer for sale f. o. b. his shipping point, bags extra or included as the case may be. The information should give in each case the name of the variety (especially in the case of grain crops), condition of the seed as to purity, year grown, and the price. The Committee will then undertake to get such information into the hands of those who want the seed. The Committee hopes that this request will receive wide circulation and an immediate response, as it is now time to get seed in the hands of planters for fall use. Address Committee on Seed Stocks, U. S. Depart-

ment of Agriculture, Washington, D. C.

Douglas P. Laird Goes to the Front.

Douglas P. Laird a native of Edinburgh, Scotland, where he was brought up to the seed business, has joined the aviator corps of the British army and starts for Canada, Sept. 1st. Mr. Laird has been in the American seed trade for a number of years including Dreer, Thorburn and Buist and is well known and highly popular with all with whom he has come in contact. He leaves us to do his bit of patriotic duty with the sincere good wishes of everybody.

Dutch Bulb Shipments Prohibited.

Disquieting news came to the seed trade and the florists' bulb forcing people in the press cablegrams from The Hague dated August 29 announcing that the Netherlands Government had forbidden the shipment of flower bulbs. No doubt prompt action will be taken by the American importing trade to have this prohibition rescinded. J. K. M. L. Farquhar of Boston started at once for Washington on learning the facts and will present the case of the Boston seed trade before the proper officials.

Calvin N. Keeney, of Leroy, N. Y., who has large interests in beans and peas, was summoned to Washington last week by Food Administrator Herbert C. Hoover for a conference on the shortage which exists in some lines of seed, particularly peas, for next season's planting. Mr. Keeney is one of the best known seedsmen in the country, and his crops are grown in many states. He returned a few days ago from an extended stay in the states of Montana and Washington, where he has a large acreage of seed farms.



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Los Angeles, Cal. Clarence Purdy, 212 West 4th Street, succeeding L. H. Freeman.

Utica, N. Y. — Utica Floral Co., branch store at Hotel Martin Building, Bleecker Street.

Chicago — Phillips Flower Shop is to be opened at 2852 Armitage Avenue by Mr. Phillips who also conducts a store known as Phillips the Florist, at 1098 Belmont Ave.

NEW CORPORATIONS.

Decorah, Ia. — Adams Seed Co., capital stock \$350,000. Incorporators, Burton H. and Walter G. Adams and Roy N. Gilkinson.

San Francisco, Cal. — West Coast Seed Growers, capital stock \$5,000. Incorporators, W. L. Hoyt, L. M. Spiegel and W. G. Canley.

Newark, N. J. — Webmont Farms, to raise and sell flowers; capital stock, \$125,000. Incorporators, D. F. Burnett, S. B. Bailey and N. L. Goodman.

New York, N. Y. — Barney B. Jacobs Co., Inc., general florist business; capital stock, \$5,000. Incorporators, B. B. Jacobs, S. Salzberg and F. V. Delavina.

Canfield, O. — Altimo Culture Co., mushroom spawn; capital stock, \$300,000. Incorporators, J. W. Pauley, L. C. Summers, H. Curry, J. R. Criswell and J. W. Beveridge.

OBITUARY.

Mrs. Thomas Meehan.

Catherine E. Meehan, 83 years old, widow of Thomas Meehan, botanist and writer who died in 1901, passed away on August 21, at her home in Germantown, Pa. She is survived by the following children: William F., superintendent of the Fairmount Park aquarium; Thomas B., J. Franklin and S. Mendelsohn Meehan of the firm of Thomas Meehan & Sons, Mrs. Sarah D. Lanning and Mrs. John P. Burn.



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Flowers of Every Kind in Season

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Stock and prompt deliveries in BUFFALO,
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For Retail Stores a Specialty

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Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn. the Florist, 124 Tremont St.
Buffalo, N. Y.—S. A. Anderson, 440 Main St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid Ave.

Cleveland, O.—Adam Graham & Sons, 5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th St.

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Denver, Col.—Park Floral Co., 1643 Broadway.

Detroit, Mich.—J. Breitmeyer's Sons, corner Broadway and Gratiot Ave.

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New London, Conn.—Reuter's.

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New York—Young & Nugent, 42 W. 28th.

New York—A. T. Bunyard, 413 Madison Ave., at 48th St.

New York—Dards, N. E. corner 44th St. and Madison Ave.

New York—Max Schling, 22 W. 59th St.

New York—G. E. M. Stumpp, 761 Fifth Ave.

New York—Thos. F. Galvin, Fifth Ave., at 46th St.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415 Farnum St.

Providence, R. I.—Johnston Bros., 38 Dorrance St.

Rochester, N. Y.—J. B. Keller Sons, 25 Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28 Olive St.

St. Louis, Mo.—F. H. Weber's, N. E. corner of Taylor and Olive Sts.

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Toronto, Can.—J. H. Dunlop, 8-10 West Adelaide St.

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New London and Norwich, Conn. and Westerly, R. I.

We cover the territory between

New Haven and Providence

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4326-28 Olive St.

Member Florists' Telegraph Delivery Association
NOTICE INITIALS. We have one store only

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CLEVELAND

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Delivered on mail or telegram order for any occasion, in any part of the Dominion.

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Flowers or Design Work

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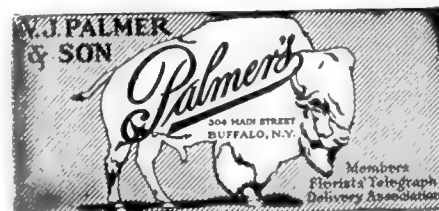
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The Park Floral Co.

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Members Florists' Telegraph Delivery.

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If you expect a shortage let us figure on your requirements. We can furnish all good commercial varieties.

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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
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Please mention Horticulture when writing.

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Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service

ZECH & MANN

We are Wholesale Florists Doing
a Strictly Wholesale Business

30 East Randolph Street, CHICAGO



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Tell Them You Did So And
They'll Reciprocate

POEHLMANN BROS. CO.

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72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

262B DEVONSHIRE ST., BOSTON, MASS.
Telephone, Main 6267-6268

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Aug. 30	ST. LOUIS Aug. 27	PHILA. Aug. 27
Roses			
Am. Beauty, Special.....	10.00 to 15.00	..... to 25.00	20.00 to 25.00
" " Fancy and Extra.....	6.00 to 8.00	..... to	12.00 to 15.00
" " No. 1 and culls.....	3.00 to 6.00	4.00 to 8.00	4.00 to 10.00
Russell, Euler, Mock.....	1.00 to 6.00	..... to	3.00 to 12.00
Hadley.....	.50 to 4.00	4.00 to 6.00	3.00 to 8.00
Arenberg, Hoosier Beauty.....	.50 to 4.00	1.00 to 3.00	3.00 to 6.00
Ward.....	.50 to 4.00	1.00 to 2.00	2.00 to 4.00
Killarney, Radiance, Taft.....	.50 to 4.00	2.00 to 1.00	1.00 to 6.00
Ophelia, Sunburst, Hillingdon.....	1.00 to 6.00	2.00 to 8.00	2.00 to 8.00
Carnations.....	.50 to 1.00	..... to 1.00	..... to
Cattleyas.....	..... to .....	..... to	60.00 to 75.00
Dendrobium formosum.....	..... to 50.00	..... to .....	..... to
Lilies, Longiflorum.....	6.00 to 8.00	..... to 12.50	6.00 to 10.00
Lilies, Speciosum.....	1.00 to 2.00	..... to	2.00 to 5.00
Lily of the Valley.....	8.00 to 12.00	..... to	6.00 to 8.00
Snaptadragon.....	1.00 to 2.00	..... to .....	..... to
Gladioli.....	.50 to 4.00	..... to 3.00	1.00 to 4.00
Asters.....	.25 to 1.00	2.00 to 4.00	.50 to 4.00
Sweet Peas.....	.25 to .50	..... to .....	..... to
Marguerites.....	.50 to .75	..... to .....	..... to
Gardenias.....	20.00 to 25.00	..... to .....	..... to
Adiantum.....	.25 to 1.00	..... to 1.00	.50 to 1.00
Smilax.....	6.00 to 10.00	..... to 12.50	15.00 to 20.00
Asparagus Plumosus, & Spren. (100 Bchs.).....	15.00 to 25.00	..... to 35.00	25.00 to 50.00

WILLIAM F. KASTING Co. Wholesale Florists

568 570 WASHINGTON STREET - BUFFALO, N. Y.

J.A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

Flower Market Reports

One finds it very slow **BOSTON** and somnolent in and around the wholesale flower markets this week. Asters and gladioli are being piled in daily and not one quarter of the agglomeration is sold. The greater part of the material is simply thrown away. Even roses, which were in fair demand last week, have fallen down into the ranks of the rejects. Quality is generally good. There are many very fine lilies and the choicest varieties of gladioli and best strains of asters are well represented but there is not room for half of them.

By far the greater part **CHICAGO** of the stock coming into this market consists of asters and gladioli. Of asters, the sales are mostly confined to those of the best quality except where wanted for cheap design work when any number can be purchased for a song. Many retail florists living in the city as well as those in the surrounding country have grown asters for themselves and so further limit the sales this year. Gladioli are coming in great quantities and they average better than in previous years. The former collections of odd and unattractive colors are happily missing this year and the low prices this flower is bringing may be attributed only to the great numbers being cut. Roses are in demand whenever a really choice flower is needed. The supply now covers a large number of varieties but stock is far from being first-class and cuts are limited. So scarce are the good roses that prices average almost as high as in winter. Most of the miscellaneous stock is gone. Carnations are coming slowly from the young plants and demand is light. A limited quantity of really good smilax is seen. The first chrysanthemums of the season are here, variety Golden Glow.

Market fair, at times, **CINCINNATI** cleaning up pretty well, but during the middle of the week especially accumulates pretty rapidly. Roses are offered in fair quantities and now include some stock that is pretty good for the time of the year. Asters are in a heavy supply and generally good. Gladioli plentiful, also lilies.

A listless and uninteresting market **NEW YORK** heavily overburdened with gladioli and asters of every conceivable size, color and condition is about all we have to report this week. Convention topics are already "ancient history" and there is nothing left to maintain interest or excitement in the wholesale districts. Commission dealers and growers are busy lining up their fall relationships and much quiet campaigning is in progress, as usual at this season. Outside of the asters and gladioli the principal interest now centers about the roses, which are improving in quality every day and of which there is no surplus of top notch grade. Lilies continue plentiful and sales are large but at rather low figures. Cattleyas are few and hold at very high figures.



ASTERS

In all colors, splendid quality flowers and good long stems

\$1.00 \$2.00 and \$3.00 per 100

Ribbons, Supplies and Plants, write for our lists

Business hours, 7 A. M. to 4 P. M.
Saturdays 1 P. M.

Open until noon Labor Day.

S. S. PENNOCK CO.

THE Wholesale Florists of **PHILADELPHIA**

NEW YORK **PHILADELPHIA**
117 W. 28th St. 1608-1620 Ludlow St.

BALTIMORE **WASHINGTON**
Franklin & St. Paul Sts 1216 H. St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Aug. 27		CHICAGO Aug. 27		BUFFALO Aug. 27		PITTSBURG Aug. 27	
Roses								
Am. Beauty, Special.....	.....	to 25.00	20.00	to 25.00	20.00	to 25.00	12.00	to 20.00
" " Fancy and Extra.....	15.00	to 20.00	15.00	to 20.00	12.00	to 15.00	8.00	to 10.00
" " No. 1 and culls.....	8.00	to 10.00	3.00	to 10.00	3.00	to 8.00	2.00	to 6.00
Russell, Euler, Mock.....	3.00	to 8.00	3.00	to 20.00	3.00	to 8.00	4.00	to 10.00
Hadley.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Arenberg, Hoosier Beauty.....	3.00	to 6.00	2.00	to 8.00	3.00	to 8.00	.....	to
Ward.....	3.00	to 5.00	2.00	to 6.00	2.00	to 3.00	4.00	to 8.00
Killarney, Radiance, Taft.....	3.00	to 5.00	2.00	to 6.00	2.00	to 6.00	4.00	to 8.00
Ophelia, Sunburst, Hillingdon.....	3.00	to 6.00	2.00	to 8.00	2.00	to 6.00	4.00	to 10.00
Carnations	1.00	to 2.00	.50	to .75	.....	to 1.00	.....	to
Cattleyas.....	.....	to 75.00	60.00	to 75.00	50.00	to 60.00	50.00	to 75.00
Dendrobium formosum.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Lilies, Longiflorum	12.50	to 15.00	5.00	to 8.00	6.00	to 10.00	.....	to 10.00
Lilies, Speciosum.....	.....	to .....	.....	to	3.00	to 6.00	.....	to
Lily of the Valley.....	.....	to 7.00	4.00	to 6.00	6.00	to 8.00	.....	to
Snape dragon	3.00	to 4.00	2.00	to 4.00	.50	to 1.50	.....	to 2.00
Gladioli	3.00	to 5.00	1.00	to 4.00	1.00	to 3.00	4.00	to 6.00
Asters	1.00	to 3.00	.50	to 4.00	1.00	to 3.00	1.00	to 4.00
Sweet Peas.....	.....	to .....	.....	to .....	.40	to .50	.....	to
Marguerites.....	.....	to .....	.25	to 1.00	.....	to .....	.....	to
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	.....	to 1.00	.....	to .75	1.00	to 1.25	.75	to 1.25
Smilax.....	.....	to 15.00	12.00	to 18.00	15.00	to 20.00	10.00	to 15.00
Asparagus Plu. & Spren. (100 Bhs.)	25.00	to 35.00	25.00	to 35.00	25.00	to 35.00	33.00	to 50.00

Good asters are **PHILADELPHIA** the outstanding feature of this market. They are really very fine. The recent cool weather has brought them along in elegant shape. Prices are very reasonable on account of the big supply and the moderate mid-summer business which the retailers are doing. Roses hold their own very nicely. Russells and Beauties remain the leaders. Some very nice Sunbursts are arriving; also a limited amount of Ophelia. Orchids are still on the scarce side and cattleyas ranging around the dollar mark. Lilies have hardened up a little and are gradually getting back to normal prices. The worst of the dogday season—they all feel—is now past and we may look for gradual improvement from now on.

Business has livened **ROCHESTER** up during the week. The market is fairly well filled with roses of most varieties and they are selling good. Gladioli are a drag with the exception of the better varieties such as America.

Mrs. King and Niagara. Sweet peas are not very plentiful and are somewhat inferior. Carnations continue to arrive, but in very small quantities. The market is well supplied with lilies and most stores are using a lot of auratums from their own houses. Coreopsis, bachelor buttons and Buddleia are all plentiful. Golden Glow Chrysanthemums have made their first appearance. Asters are not over plentiful, but the demand is good.

This market has as **ST. LOUIS** ters, tuberoses, early yellow chrysanthemums, roses, and carnations too poor to be salable. Next week most of the the theatres opening will, it is hoped, help trade.

(Continued on page 263)

H. KUSIK & CO.

LARGEST SHIPPERS OF FRESH CUT FLOWERS AT KANSAS CITY

Florists' Supplies
Manufacturers of Wire Designs
1018 McGee St. **KANSAS CITY, MO.**

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Wholesale Commission Florist
Choice Cut Flowers
New Address, 143 West 28th St., NEW YORK
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Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 765
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WM. P. FORD

Wholesale Florist
107 W. 28th Street, NEW YORK
Telephone 5335, Farragut.
Call and inspect the Best Establishment
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WHOLESALE FLORIST
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JOHN YOUNG & CO.
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Ferns, Mosses, Wild Smilax, Galax,
Leucothoe, Palmetto, Cypripedium, both fresh
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Laurel, Hemlock, all Decorative Evergreens.
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Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
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M. C. FORD

121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

GEORGE B. HART

WHOLESALE FLORIST
24 Stone St., Rochester, N. Y.

RIEDEL & MEYER, Inc.

Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

P. J. SMITH**WHOLESALE COMMISSION FLORIST**SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.
TELEPHONE 2281 / 2089 FARRAGUT 131 West 28th St., NEW YORK CITY

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY
SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US
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Centrally Located, The Hub of the Flower Market Section

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HEADQUARTERS for the entire output of the
BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.
PAUL MECONI — Wholesale Florist — NEW YORK
Telephone Nos. 3864 and 8364 Madison Square 57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us
FANCY GRADE ORCHIDS, SEPTEMBER MORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists
Phones: Farragut 558, 2026 and 2037 111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Aug. 25 1917	First Half of Week beginning Aug. 27 1917
American Beauty, Special	12.00 to 30.00	12.00 to 30.00
" " Fancy and Extra	8.00 to 10.00	8.00 to 12.00
" " No. 1 and culls .....	.50 to 4.00	.50 to 4.00
Russell, Euler, Mock .....	.50 to 10.00	.50 to 10.00
Hadley .....	.50 to 6.00	.50 to 6.00
Arenberg, Hoosier Beauty .....	.50 to 4.00	.50 to 4.00
Ward .....	.25 to 3.00	.25 to 3.00
Killarney, Radiance, Taft .....	.25 to 3.00	.25 to 3.00
Ophelia, Sunburst, Hillingdon .....	.50 to 8.00	.50 to 8.00
Key	1.00 to 12.00	1.00 to 12.00
Carnations .....	.50 to 1.00	.50 to 1.00

GROWERS' CUT FLOWER COMPANY
WHOLESALE FLORISTS

129 West 28th Street

Tel. 6237 / 3563 Farragut

E. J. VAN REYPER, Mgr.

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Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

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Consignments Solicited

JOSEPH S. FENRICH

WHOLESALE FLORIST
LILIES EVERY DAY
51 W. 28th Street, New York
Telephones, 420-421-422 Mad. Sq.

HERMAN WEISS

WHOLESALE FLORIST
Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.
130 West 28th Street, Tel. Farragut 634,
NEW YORK.

TO THE INTERESTED FLORIST — A Crisp Catalog — Its Yours for the Asking

We should like to send you a catalog telling you all about Supplies. Just drop a line to our Florist Supply Department.

PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street, PITTSBURGH, PA.

Flower Market Reports

(Continued from page 2)

WASHINGTON Dullest period of the whole season. Very little stirring and flowers hang fire. Plenty of asters and dahlias. There are not very many of the latter that can be considered A stock and what is received of this type moves quickly. A falling off in the sale of lilies is noted. Gladioli are beginning to go backward and will soon be over with. Locally grown Radiance and good Ophelia and Maryland were the week's best offerings in roses. Very few flowers are coming in from north because of delayed express transportation. The month, despite heat and vacations, has been the best August in the history of the trade.

VISITORS' REGISTER.

St. Louis—T. D. Kuebler, Evansville, Ind.

Cape May, N. J.—Douglas P. Laird, Philadelphia.

Cincinnati—Ira Clark, Greensburg, O.; Wm. Nolan, Huntington, W. Va.; Mr. and Mrs. D. E. Rush, Shreveport, La.

Boston—E. G. Hill, Richmond, Ind. Michael Barker, Chicago, Ill.; C. L. Peterson, Tunlin Paint Co., Philadelphia; W. H. Long, New York City; T. Waters, repr. Poehlmann Bros. Co., Chicago.

Washington, D. C.—Mr. and Mrs. J. W. Ross, Centralia, Ill.; D. S. Geddes, St. Louis, Mo.; S. R. Lundy, Denver, Col.; William Dykes, New York; Harry E. Saier, Lansing, Mich.; Charles P. Mueller, Wichita, Kansas; R. A. Tubbesing, St. Louis, Mo.; J. R. Boyd, Fayetteville, N. C.

Chicago—Fred Haupt, Louisville, Ky.; Mr. and Mrs. Arthur Peterson, Escanaba, Mich.; O. R. Eckhart, St. Paul, Minn.; Mr. and Mrs. Rice, Minneapolis, Minn.; H. Philpott, Winnipeg, Man.; Chas. N. Siebrecht, Winona, Minn.; S. Bryson Ayres, Independence, Mo.; Fred C. Weber, St. Louis, Mo.; J. V. McKay, Jackson, Miss.; Mr. and Mrs. Geo. Moncur, Woodstock, Ill.; Mr. and Mrs. Sam Lundy, Denver, Colo.; Chas. Steidel, Olivette, Mo.

DURING RECESS.

Reading, Pa., Florists.

The Reading Florists' Association held its annual picnic at F. N. Baer's bungalow, located at Schlenker's dam, three miles north of Kutztown. The party went in 10 automobiles, and two trucks conveyed the lunch. Quoiting, boating, fishing and all manner of outdoor sports were enjoyed.

Joliet, Ill.—Two of the former employees of the J. D. Thompson Carnation Co., have leased the range of greenhouses for many years operated

PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M. TELEPHONE MAIN 2698.

J. K. ALLEN, WHOLESALE COMMISSION FLORIST

Always Ready to Receive Consignments and Can Market Them Satisfactorily. Wanted Specially, Early Peonies, Gladioli, etc., for Spring Trade.

A Clean Record For Thirty Years

118 West 28th Street, - - - NEW YORK

Telephones: 167 and 3058 Farragut

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Aug. 25 1917		First Half of Week beginning Aug. 27 1917	
Cattleyas.....	75.00	to 100.00	75.00	to 100.00
Dendrobium formosum.....	.....	to 90.00	.....	to 50.00
Lilies, Longiflorum.....	3.00	to 4.00	3.00	to 5.00
Lilies, Speciosum.....	1.00	to 3.00	1.00	to 3.00
Lily of the Valley.....	4.00	to 6.00	4.00	to 8.00
Snappedragon.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	1.00	to 3.00	.50	to 1.00
Asters.....	.25	to 2.00	.25	to 1.00
Sweet Peas.....	.15	to .50	.15	to .50
Marguerites.....	.25	to .50	.25	to .50
Gardenias.....	20.00	to 50.00	20.00	to 50.00
Adiantum.....	.25	to 1.00	.25	to 1.00
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, & Spreu (100 bunches).....	10.00	to 20.00	10.00	to 20.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

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Wholesale Commission Florists

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We Solicit Consignments of New
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by the Chicago Carnation Co. and will retain that name. They are P. W. Peterson, superintendent for many years and Wm. Kellsner, and have incorporated for the purpose of growing cut flowers and plants. They will have about 150,000 sq. ft. of glass and expect to purchase the retail store of Mrs. A. C. Rott, also located in Joliet.

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122 West 26th St., New York

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We manufacture all our
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and are dealers in
Decorative Glassware, Growers and
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Importers and Growers of

ORCHIDS

Cut Flowers of All the Leading Varieties
in their Season.

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Bulbs of all descriptions. Write for prices.
NEW YORK BRANCH, 810 Bridge St.

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Carnations—Field grown, excellent plants. Matchless, Single, White Enchantress, 50¢; Giant Chief, 75¢. Cash. CHAS. H. RICE, Taunton, Mass.

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35¢; 2000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

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Cyclamen—Best strain, separate colors, or mixed, 2 1/2 in. pots, \$7.50 per 100; \$60.00 per 1000. J. H. FIESSER, North Bergen, N. J.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell.
Stock For Sale.
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Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

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Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

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Roses, Cannas and Shrubs. THE CONARD & JONES COMPANY, West Grove, Pa.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

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Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Hissarik Nursery, New Rochelle, N. Y.

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The oldest and best established journal for nurserymen. Circulation among the trade only. Published monthly. Subscription price, \$1.50 per year. Foreign subscriptions, \$2.00 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

National Nurseryman Pub. Co., Inc.
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HELP WANTED

SEEDSMEN AND ORDER CLERKS

Wanted, two men, each with thorough experience in flower and vegetable seeds. At least one of them must be a native-born American citizen. New York. Wages to start \$20 per week. State experience, age, and other particulars. Applications will be considered and subject to interview. Address V. R., care HORTICULTURE, Boston.

WANTED, two men, each with thorough experience in flower and vegetable seeds. At least one of them must be a native-born American citizen. New York. Wages to start \$20 per week. State experience, age, and other particulars. Applications will be considered and subject to interview. Address V. R., care HORTICULTURE, Boston.

WANTED FOR NEW YORK FIRM

High class seeds and correspondence. One who can intelligently take charge of large volume of mail and work has good knowledge of gardening. State experience, reference and salary required. Address V. Q., care HORTICULTURE, Boston.

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SITUATION WANTED as Head Gardener or Superintendent on private place, by Englishman, 30, married, one child, life experience in vegetables, fruit, flowers, greenhouses, trees, shrubs, livestock and farm crops. Can furnish first class testimonials. Address B. A., care HORTICULTURE, Boston.

SITUATION WANTED—Cornell graduate in Agriculture, experienced in greenhouse work and gardening, desires apprentice position in retail florist shop in New York, Boston, Cleveland or Washington. Address 20 Trowbridge Road, Worcester, Mass.

FOR SALE

FOR SALE OR TO LEASE—Established retail greenhouse business, located in centre of Newton's (Mass.) finest suburb. Well stocked for Fall and Winter trade. "J. W." care HORTICULTURE, Boston.

UNDER FOR SALE
FOR SALE—Four greenhouses, about 12,000 feet of glass, 10 miles from Boston. Address WM. CAPSTICK, Auburndale, Mass.

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Formerly Assistant to Director of the Royal Botanical Gardens, Copenhagen, Denmark. Latterly Twenty Years in American Forestry and Botanical Work.

Assisted by DR. H. T. FERNALD, Professor of Entomology Massachusetts Agricultural College and Entomologist, Massachusetts Agricultural Experiment Station.

and PROF. E. A. WHITE, Professor of Floriculture, New York State College of Agriculture at Cornell University.

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Quality Fertilizers for Florists, Nurserymen, Seedsmen, etc.

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Sample Copy Free

THE NUT-GROWER

No. 2 Francis St.
WAYCROSS, GA.

In writing to Advertisers kindly mention Horticulture

News Items from Everywhere

WASHINGTON, D. C.

Mr. and Mrs. Elmer J. Mayberry and son have been spending a two week's vacation at Cape May, N. J. Miss Louise Daugherty, of the Louise Flower Shop, has just returned from a two weeks' stay at her former home, Louisville, Ky.

Ben Carrick, of Seat Pleasant, Md., an employee at the 1214 F street store of Gude Bros. Company, was the first among those attached to the florists establishments known to have been called out to go to Camp Meade as a member of the new National army.

James R. Daly has been sent to Au-

gusta Arsenal, at Augusta, Ga., for duty in the ordnance reserves. Mr. Daly has been a salesman at the store of Gude Bros. Co., for several years. He enlisted and his name was carried on the rolls of the ordnance reserve for appointment as clerk.

ROCHESTER, N. Y.

George Kramer and Frank Mahoney have begun the foundation work on the floral decoration at Exposition Park for the Show to be held Sept. 3rd.

J. B. Keller & Sons had a very attractive window display consisting of huge vases of auratum lilies and white gladiolus on pedestals draped in purple plush.

Mr. and Mrs. E. C. Armbrust have returned from Berkshire Hills. Miss Margaret Howe is spending her vacation in the Adirondack Mts. Arthur J. Beyers is at his home town, Erie, Penn. Charles H. Vick has returned from a vacation at Shazy Lake. Miss Hattie Conway is at Crystal Beach. Cecil Lester of Geo. B. Hart's will spend his vacation at Conesus Lake.

ST. LOUIS.

Jules Beneke is doing jury duty this week.

The wholesale houses are cleaning, painting and preparing for regular business as usual.

Joseph, son of C. W. Wors, is now on U. S. S. St. Louis at Boston. He expects to leave shortly for France.

E. J. Fisher is now manager at Grimm & Gorly's, formerly 16 years with Samuelson of Chicago and three years with Schiller.

Frank Sanders, son of C. C. Sanders, left for Fort Sheridan for the training camp of the officers' reserves. He was manager of the floral department at the Grand Leader. Frank Bucksart is now in his place as manager.

CINCINNATI.

Mr. and Mrs. Mayhall have returned from Wawasee, Ind.

J. T. Conger, his wife and his mother are driving through to Chicago for a visit there.

A Dahlia Exhibition, under the auspices of the Garden Club of this city, will be held at the Jabez Elliott Flower Market during the latter part of September.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

FUNGINE

For mildew, rust and other blights affecting flowers, fruits and vegetables.

Quart, \$1.00; Gallon, \$2.50.

VERMINE

For eel worms, angle worms and other worms working in the soil.

Quart, \$1.00; Gallon, \$2.50.

SOLD BY DEALERS.

Aphine Manufacturing Co.
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Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c.; Pint, 40c.; Quart, 75c.; 1/2 Gallon, \$1.25; Gallon, \$2; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50. Directions on package.

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Dept. S. 420 W. Lexington St., Baltimore, Md.

USE WIZARD BRAND
TRADE MARK
CONCENTRATED PULVERIZED MANURE

Pulverized or Shredded
Cattle Manure
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The Florists' standard of uniform high quality for over ten years. Specify: **WIZARD BRAND** in your Supply House order, or write us direct for prices and freight rates.

THE PULVERIZED MANURE CO.
34 Union Stock Yard, Chicago

Free!

A 50-gallon barrel of Scalecide free to any one who will suggest a *fairer* guarantee than that given below.

"SCALECIDE"

As proof of our confidence and to strengthen yours, we will make the following proposition to any fruit grower of average honesty and veracity:

Divide your orchard in half, no matter how large or small. Spray one-half with "SCALECIDE", and the other with Lime-Sulfur for three years, everything else being equal. If at the end of that time, three disinterested fruit growers say that the part sprayed with "SCALECIDE" is not in every way better than that sprayed with Lime-Sulfur, we will return you the money you paid us for the "SCALECIDE".

Send for new free booklet, "Profits in Fall Spraying".

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"HAMMOND'S GRAPE DUST"

Used effectively to kill Powdery Mildew on Roses and other Plants

USED BY THE FLORISTS FOR OVER 25 SUCCESSIVE YEARS

Sold by the Seed Dealers.
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HAMMOND'S PAINT AND SLUG SHOT WORKS
BEACON, N. Y.

IMP. SOAP SPRAY

Quarts, 55c. Gallons, \$1.65
Five, \$6.50

Try with 24 parts water. Often effective weaker.

Ask your dealer or write

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BOSTON, MASS.

NIKOTEEN
For Spraying
APHIS PUNK
For Fumigating

Ask Your Dealer For It

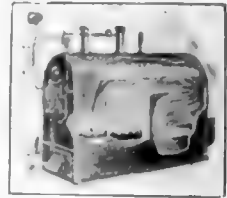
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RED
POROUS****POTS**World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
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NEW YORK, N. Y.

The famous Kroeschell Greenhouse Boiler has made a wonderful record for greenhouse heating, because of its practicability—high efficiency and unequaled fuel economy.

Kroeschell Bros. Co., 466 W. Erie St., Chicago**DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Pa.	Doz.	1000
10	20 in.	\$1.00	\$21.50	\$175.00
20	18 in.	1.60	18.50	150.00
30	16 in.	1.25	14.25	115.00
40	14 in.	1.00	11.25	90.00
50	12 in.	.75	8.25	65.00
60	10 in.	.55	6.00	45.00
70	8 in.	.40	4.50	35.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714-716 Chestnut St., Philadelphia, Pa.**STORM HAVOC IN NEW ENGLAND.**

On Tuesday, August 21, a terrific storm of almost cyclonic proportions accompanied by lightning, and, in some localities hail, visited a considerable portion of eastern Massachusetts and Maine. The damage in Cumberland County, Maine, alone, was estimated at not less than \$100,-

000. Crops were leveled, buildings burned and glass broken in many places. Among the heaviest losers by breakage of greenhouse glass were H. C. Blanchard of Cumberland Centre, Me., James Winslow, Frank Moulton and Alex Skillin of Falmouth Foreside, G. A. Leighton & Son, North Yarmouth, Me. Goddard and Davis of Deering Centre were hit too, but less severely. The New England Nurseries at Bedford, Mass., were the victims from lightning for the second time within one month. Their loss this time was a large barn, twenty-five tons of hay, three horses and many implements, amounting altogether to \$6,000. Just thirty days previous they lost property valued at \$10,000 from a similar cause. Charles Potter, West Boylston, Mass., is also reported as having lost some glass by hail breakage.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Harrisburg, Pa.—H. B. Bauder, addition.

Racine, Wis.—Rudolph A. Brux, one house.

Denver, Col.—Park Floral Co., house 25x125.

Union City, O.—A. A. O'Brien, range of houses.

Hazelton, Pa.—Norman Raedler, range of houses.

Mansfield, Pa.—Crossley Greenhouses, additions.

Westwood, N. J.—Peter Beuerlein, five 125-ft. houses.

Tama, Ia.—Sheldon Gardens Co., Foley house 33x250.

Philadelphia, Pa.—G. Roethe, Martin street, house 27x100.

**FOLEY
GREENHOUSES**

Are properly designed, durable and a source of great satisfaction to their owners.

WRITE FOR ESTIMATE.

**The Foley Greenhouse
Mfg Co.**

3275 W. 31ST ST., CHICAGO, ILL.

GREENHOUSES—ALL KINDS

We go anywhere in the U. S. to submit plans and prices

Metropolitan Material Co.
PATENTED GREENHOUSES

1297-1325 Flushing Ave., Brooklyn, N. Y.

**Dreer's Peerless
Glazing Points
For Greenhouses**

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.**HENRY A. DREER,**

714 Chestnut Street,

Philadelphia.

**FULL
SIZE
No 2****PATENTS**
Trademarks
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Difficult and rejected cases specially solicited. No misleading inducements made to secure business. Over 30 years' active practice. Experienced, personal, conscientious service. Write for terms. Address,

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Box 9, National Union Building
Washington, D. C.**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST
29th & M Sts., Washington, D. C.

King Greenhouses

KEEP SUMMER WITH YOU THE WHOLE YEAR ROUND

On account of their sturdy special construction which permits of great strength without the need of heavy shadow casting supports, these houses are so warm and sunny that they are filled with a riot of bloom and fruit when Jack Frost has stripped the garden of its beauty.

The ventilating and heating systems are the result of years of experience in building for professional growers. Things just have to grow in a King.

Ask us for any of the following: Catalogue showing Commercial Type Greenhouses, Catalogue showing Greenhouses for private estates, Catalogue showing Garden Frames and Sash for private estates.

KING CONSTRUCTION COMPANY, 28 King's Road, North Tonawanda, N. Y.
All the Sunlight. All Day Houses.

BRANCH OFFICES: New York, 1476 Broadway Boston, 113 State Street Scranton, 307 Irving Avenue
Philadelphia, Harrison Building, 15th and Market Streets



CYPRESS GREENHOUSE STOCK

PECKY CYPRESS STOCK

HOT BED SASH

Ask for Circular D and Prices

THE A. T. STEARNS LUMBER COMPANY
NEPONSET, BOSTON



We can ship all kinds of ventilating apparatus and greenhouse fittings on short notice. Every part we furnish is guaranteed to give entire satisfaction and prices reasonable. Let us hear from you. Send for catalogue. End your troubles by writing to

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GLASS

AND
HOT-BED SASHES

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

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Evans 20th Century Arm

Most up-to-date arm on the market. Remind that it is better than any other is that others tried to imitate it. Write for our 1916 catalogue just out.

JOHN A. EVANS CO.
Richmond, Ind.

The Florists Hall Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars address
JOHN G. ESLEE, Sec., Saddle River, N. J.

GULF CYPRESS Greenhouse Materials



Pecky Cypress Bench Lumber

GLASS

GULF CYPRESS

HOT BED SASH

ALL KINDS AND SIZES

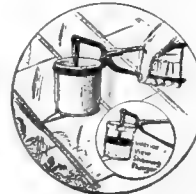
Unglazed—\$5c. up

Glazed—\$2.05 up.



THE ONLY PERFECT LIQUID PUTTY MACHINE

Will last a lifetime, \$1.25 each



"SEAL TIGHT LIQUID PUTTY"

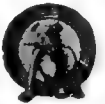
will not harden, crack or peel off.
\$1.35 per gallon in 10 gallon lots.

\$1.40 per single gallon

HOSE

Non-Kink Woven

In any length (one piece) with couplings, 14c. per foot. Unequalled at the price.

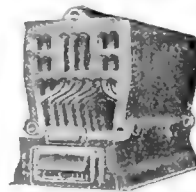


HOSE VALVE 75c

All brass except the hand wheel. Has a removable leather disk which is easily replaced to keep water tight. Stuffing box prevents leaks at stem.

BOILERS METROPOLITAN

Patented



Very best greenhouse boiler of its size. Will do more work than any other. Comes in all sizes. Quickest acting—almost instantaneous. Offered at our old prices. Order at once.

Metropolitan Material Co.

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MASTICA



For Greenhouse Glazing
USE IT NOW

F.O. PIERCE CO.

12 W. 40th ST.
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

JACOBS GREENHOUSES

BUILT TO LAST
Substantially constructed for service. Judiciously designed for results & maximum plant growing efficiency. Speedily and economically erected.

S. JACOBS & SONS, Brooklyn, N.Y.

Plans and Prices Submitted





CROTON

Dreer's Crotons

Our stock of Crotons is exceptionally good this season, and we are in position to supply unusually good values. The collection consists of only the best of the standard and new varieties. 1 inch pots, good plants in choice standard varieties, \$4.50 per doz., \$35.00 per 100.

4 inch pots, selected plants, particularly well colored, in the rarer varieties, \$6.00 per doz., \$50.00 per 100.

5 inch pots, elegant stock, \$6.00 to \$12.00 per doz., according to size and quality.

Selected specimen plants from \$1.00 to \$10.00 each.

Dracaena Terminalis

We have a particularly good stock of this popular plant, and we especially recommend the 2 and 3 inch pots as a profitable investment for growing on.

2 inch pots, \$1.25 per doz., \$10.00 per 100.

3 inch pots, \$2.00 per doz., \$15.00 per 100.

4 inch pots, \$4.50 per doz., \$35.00 per 100.

5 inch pots, \$6.00 per doz., \$50.00 per 100.

We extend a cordial invitation to all delegates of the S. A. F. & O. H. to visit our nurseries at Riverton, N. J., on their way to or from the Convention and also call your attention to our display at Convention Hall, where we will show a full line of samples of our specialties. Our representatives will be in attendance and will be pleased to meet you.

The above prices are intended for the trade only.

HENRY A. DREER, 714 and 716 Chestnut St
PHILADELPHIA, PA.

Winter-Flowering Sweet Peas Giant Spencer Varieties

The best that can be procured for winter-flowering under glass

Five Good Californian Varieties

EARLY SNOWFLAKE. Large pure white. $\frac{1}{4}$ oz. 75c., $\frac{1}{2}$ oz. \$1.25, oz. \$2.00.

EARLY SPRING MAID. Beautiful cream pink. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.

EARLY MELODY. Soft rose pink. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.

EARLY SONG BIRD. Pale pink. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.

EARLY HEATHER BELL. Rich mauve, changing to lavender. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.

Six Splendid Australian Varieties

(Concord Spencer Types)

CONCORD PINK. Beautiful delicate pink.

CONCORD CRIMSON. Fine ruby red.

CONCORD LAVENDER. Light lavender

blue.

CONCORD WHITE. Large pure white.

CONCORD SALMON. Soft salmon pink.

CONCORD BLUE. Dark purple blue.

Prices of Concord varieties:
Per pkt. (50 seeds) 40c., 5 pkts. for \$1.75.

YARRAWA MOST POPULAR ROSE PINK
 $\frac{1}{2}$ oz. 40c., oz. 75c., $\frac{1}{4}$ lb. \$2.25, lb. \$8.00

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JULIUS ROEHRS COMPANY

Plantsmen

Palms, Ferns, Dracaenas, Hydrangeas and all other popular trade plants in commercial sizes. All first-class.

Begonia Mrs. Peterson—Finest Stock in the Country.

Orchids, Conservatory Plants, Novelties and Specimens.

Nursery Stock for Fall Planting.

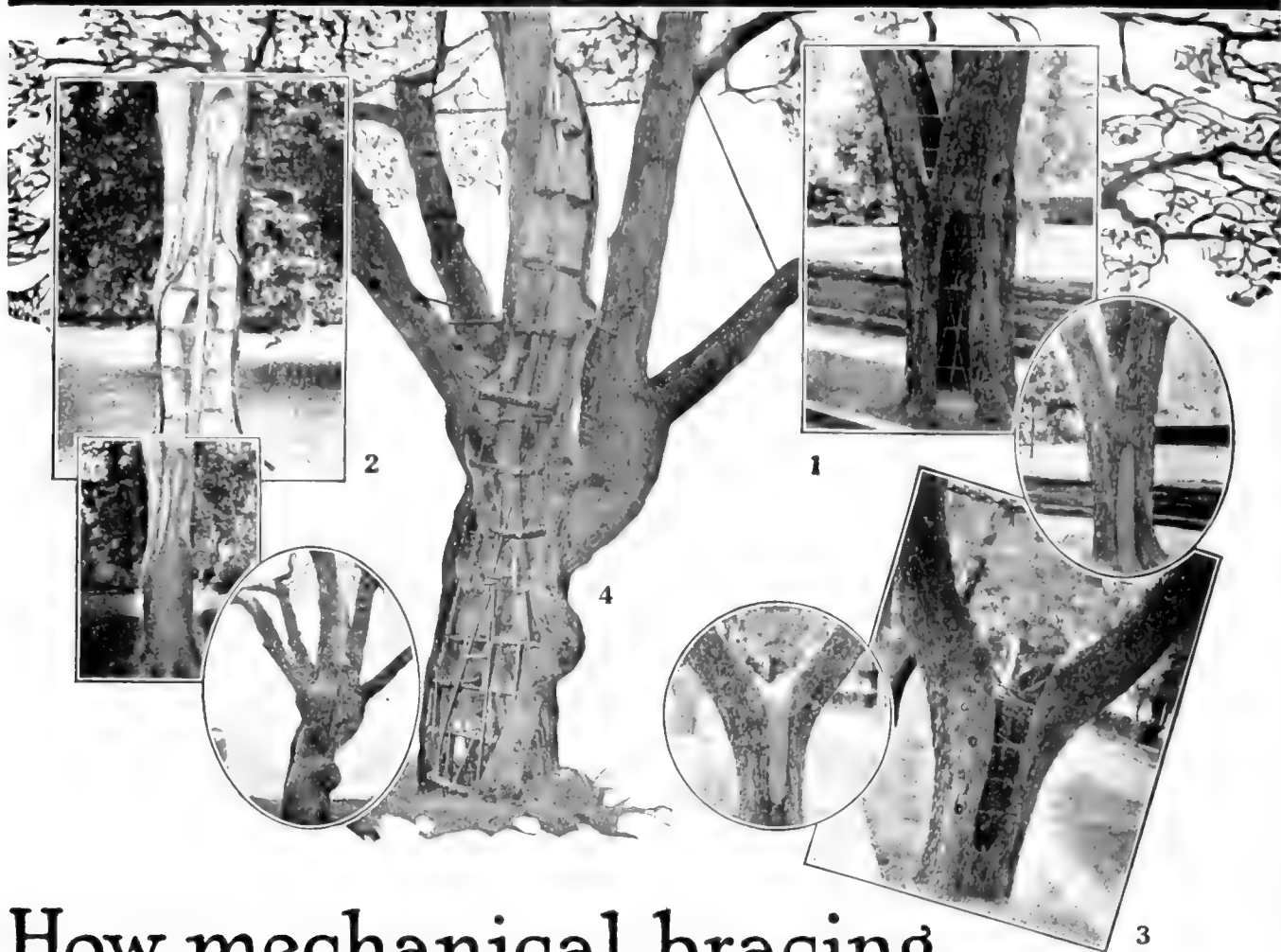
RUTHERFORD, NEW JERSEY

Vol. XXVI
No. 10
SEPT. 8
1917

HORTICULTURE



A. E. Kunderd
President-elect American Gladiolus Society



How mechanical bracing restores strength to decayed trees

THE internal woody tissue of the tree has the same function as the bones in the human body—structural support.

When this has been destroyed by decay, Nature is helpless to restore it and the tree, if neglected, will soon succumb to the force of the winds. And no treatment can permanently save it unless that treatment supplies scientifically the strength that has been lost.

Merely to fill the cavity with cement will not answer. The violent swaying of trees by the winds makes correct mechanical bracing of decay-weakened cavities absolutely imperative.

Correct mechanical bracing involves something more than just fixing bars and bolts in the cavity.

Every tree is different, and therefore the bracing of each tree must differ from the bracing used in all other trees, at least to some extent.

The tree in photograph No. 1, for example, required a combination of bolts and lock-nuts, reinforcing rods, and cross-bolts with lock-nuts above the crotch.

The tree in photograph No. 2 needed a backbone and rib arrangement of iron straps, plus torsion rods and anchors.

The tree in photograph No. 3 required a combination of bolts and criss-cross bolts with lock-nuts, torsion rods and chains.

The tree in photograph No. 4 was so weak that it required a complicated and complete system of internal bracing, including cross-bolts, criss-cross bolts, iron straps, anchors, torsion rods, iron backbone and ribs, lock-nuts, bolts above the crotch, plus chains and lag-hooks higher up.

Davey Tree Surgeons are the only men in the world who are really trained for this work

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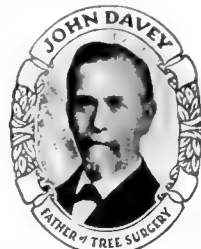
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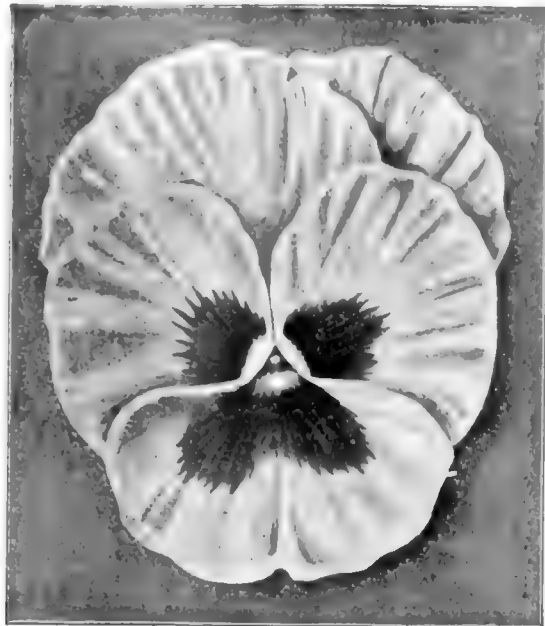
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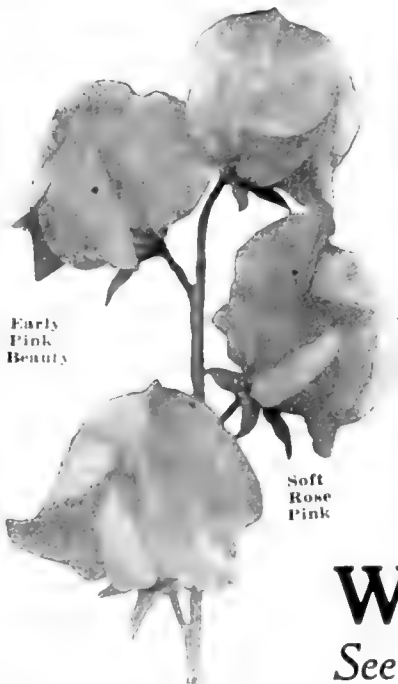
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Beauty

Soft
Rose
Pink

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Lavender
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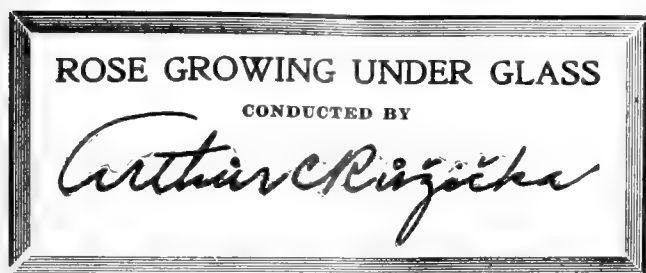
We first exhibited this novelty at the great International Flower Show in New York, March, 1914, where we were awarded a Certificate of Merit by the American Sweet Pea Society. From seed sown in early October at Fordhook Farms the plants came into bloom December 20, and bloomed profusely until May. The color is a bright rose pink with a clear, creamy base. Floradale Grown Seed exclusively. Oz. 80c., lb. \$8.00.

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PHILADELPHIA



The First Cool Nights

It is seldom necessary to start the fires under steam boilers in August but such has been the case this year. With the thermometer outside down as low as 50, the temperature in the houses would drop too low for healthy growth of roses. Therefore if the nights are cool in your section, waste no time in getting a pipe of steam around the houses at night. Do not close the ventilators tight. Carry at least an inch of air, with heat, and try to keep the houses up to 64 at night. This will not be too warm as the days are still hot, but carry plenty of air. This will not be wasting coal as the increased vigor of the plants will soon pay for all coal thus burned. A little sulphur applied to the pipe every eight or ten feet will put an end to all mildew that may be starting. If pressure exceeding five pounds is carried in the steam pipes be sure to add a little lime to the sulphur so that it will not vaporize too rapidly and do some damage.

A Hint to Small Private Growers

Growers on private places who have no steam and only small houses of roses will do well to put a lantern or two in their houses at night turning the light about half way up and putting a nice layer of sulphur over the top of the lantern. There is no danger in doing this as long as the light is not turned too high and if a little air is left on while this evaporator is at work it will make it just that much safer. This will quickly kill all mildew and with a little heat from the hot water system, there should be little trouble in keeping it in check. Do not use oil stoves to burn the sulphur. These are bound to get too hot and set fire to the sulphur and ruin the whole house with the fumes. Be careful not to turn the lanterns up too high. A little experimenting will soon show how the work should be done. Have the plants wet enough at the roots when vaporizing sulphur.

Watering

Growers cannot be too careful with the hose from now on. Plants with plenty of top will take plenty of water and should never be allowed to become too dry but at the same time they cannot be kept soaking wet all the time. As soon as the soil dries out enough to be merely moist the plants can receive a good watering. Let the water drip freely through the benches, going over them twice if necessary, being careful not to use too much pressure, so as not to wash the surface of the soil around. Applying the water gently will leave the surface open so the roots can breathe. If the water is applied with force, a film of mud will form over the soil, and unless the benches are scratched over at once the plants will suffer. Then, too, a great many little roots will be torn and destroyed by the force of the water and this alone means quite some damage. When watering old plants that have been cut back and trans-

planted be careful not to water those that are not very strong. These will come along nicely if kept dry, but would die should they be overwatered the least bit. If they are among tall plants that are growing freely it will be well to mark them by scattering a little lime around them on the surface where it will show, and serve as a guide when using the hose.

Blackspot

See that all spot that is visible here and there is picked off and burned. This can be done while cutting, watering, disbudding or tying at any time. Usually spot will start with one large one here and there, and then some night when conditions are especially favorable it will spread through the plants like fire through dry straw. There is no real cure for it. If plants are not affected bad, it can be picked off by hand and a dose of ammoniacal copper carbonate given. Then with clean culture and proper attention to watering and syringing the plants will soon grow out of it. Avoid syringing while the disease is spreading. With Beauties it will be best to run them a little on the dry side, and if the plants are cut off badly, pinch all short growth to make some top. With Teas it will be necessary to give a little more water, but care should be taken to keep the foliage dry and to water only in the morning. Use lime freely blowing plenty of it around each night after watering and during cloudy weather. As soon as the plants are on the mend and spot is in check, apply more water and syringe as often as deemed safe in order not to harden the plants too much by keeping them dry a long time. Burn all affected leaves as soon as they leave the greenhouse; do not dump them outside the door but take them to the boiler room and feed them under the boilers with the coal.

Cover Crops

It is high time to get the cover crops in so that they will have some chance to make a little top and root before cold weather. Leave no spot of ground exposed to the weather this winter; plant it to something. Rye makes the ideal cover as it will grow almost anywhere and is suitable for plowing under in the spring. Plow deeply and harrow well; it will pay in the long run. Rye for cover crop can be sown quite thick to make a good mat of roots which will hold every bit of manure that reaches them. A little vetch scattered among the rye will make the blanket even better and enrich the soil in nitrogen which it draws from the air through the little bacteria nodules on the roots.

Asparagus and Smilax

These two greens will now take quite some feed as they must be fairly well established with plenty of roots, and if fed they will go by leaps and bounds. It is easy to get a good bunch of stuff on the plants now, and then cut it as it is needed. It will grow much faster while there is plenty of sunshine and the days are still long. Apply horse manure as mulch; it is cheaper and better for the purpose. A little nitrate will go good also if it is on hand. Chicken manure used very sparingly will be very good. Apply it in less quantity than you would bone or tankage as it is very strong and will likely do some damage if applied too heavily. Besides it is too valuable to be wasted. A little every two weeks will be about right.

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One bulb ship sure

Information regarding the Dutch bulb situation, as gleaned from various sources, is somewhat contradictory but one fact seems authentically established, which is that the Holland America Line steamer Waaldyk is now well on the way across from Rotterdam to New York loaded with bulbs exclusively. This we have on authority which can not be questioned and it is good news as far as it goes. We hope to be able to discuss the situation more explicitly in our issue of next week.

"Fumigating orchids"

It is claimed that experimental work in orchid fumigation recently carried on by entomologists of the United States Department of Agriculture has demonstrated that orchids can be safely fumigated with 1

ounce of sodium cyanid in a 20-inch vacuum at an exposure of 10 minutes without injury, provided the plants are reasonably healthy. With healthy plants, in fact, as strong a dose as 4 ounces of cyanid has been used under the same conditions without killing the plants. A month after treatment at this latter strength the plants so treated were making new growth. The term "orchids" seems too vague and general for use in a statement so important as that above referred to. The resistant qualities against exposure to strong gases must certainly vary greatly with different genera.

The publicity movement

We hope to see the campaign for national exploitation of the florist's wares and his business, which was so auspiciously launched at the New York convention, carried forward without any slacking or diminution of the zeal and enthusiasm which were so copiously injected into the initial proceedings. Only by keeping up the full tension uninterruptedly can such an ambitious project be successfully carried out and as with all such undertakings the hardest part remains yet to be done. Why not make this all-important movement the uniform subject for special consideration and discussion in all the floral club and society meetings for October? Applauded on all sides as one of the biggest and best pieces of work the S. A. F. had ever planned, the enterprise certainly merits and, to attain its full possibilities, must have, the backing and whole-hearted co-operation of all allied interests in every section of the country. Stupendous are its possibilities but its actual achievement and fruition will be measured finally by the sustained grasp and continuity of effort yet to be developed and not by the spectacular outburst of enthusiasm at the start, inspiring as it was and stirred with the ardor which makes for success if not allowed to pine away.

The dahlia season

Our friends, the dahlia growers, will now be coming into the limelight, for a period brief at best but dependent very much upon the leniency extended by the weather man to this sumptuous but defenceless garden denizen. If only it were possible to imbue the dahlia with some degree of frost-resistant qualities or otherwise lengthen its flowering season, its prestige as a dependable subject for the cut flower market would be greatly strengthened. The dahlia is unfortunate, further, in the careless manner in which it is packed for market by many growers—just thrown into crates, or even barrels, as if on the presumption that it was not worth the exercise of any care. There are some growers who do devote the utmost attention and skill to the cutting, handling and packing of dahlia blooms, so that a box of their product is a thing of beauty when opened at its destination and these men get good money for their cut. A few years ago an exhibitor at a winter show in Boston exhibited neat little cactus dahlias nicely bloomed from cuttings in 3-inch pots. We wonder why more of this is not done. In the present quandary as to the possible supply of winter flowering plants the dahlia is well suited for a tryout. Its qualities of color, form and variety certainly entitle it to something better in the way of opportunity than has been accorded it thus far.

SOCIETY OF AMERICAN FLORISTS and ORNAMENTAL HORTICULTURISTS

REPORT OF JUDGES ON CONVENTION GARDEN.

Your judges visited the Convention Garden August 22, 1917, examined the various exhibits and beg to report as follows:

Collection of evergreens, I. Hicks & Son, Westbury, N. Y.—A fine and comprehensive collection, all varieties distinctly labeled and priced. Certificate of merit recommended.

Collection of gladioli, including the varieties Mrs. A. C. Beal, *Primulinus* hybrids, *Independence*, *Halley*, and *Loveliness*, by B. Hammond Tracy, Wenham, Mass.—with the execution of Mrs. A. C. Beal, a fine bed in good condition, and for which a certificate of merit is recommended. The exhibit was not in a condition for proper judgment to be passed upon it.

Bed of *Gladiolus* Mrs. Frank Pendleton; not yet in bloom. *Canna Yellow King Humbert*, honorable mention recommended. Vaughan's Seed Store, Chicago and New York.

Collection of gladioli, passed out of flower. John Lewis Childs, Inc., Flowerfield, N. Y. Large planting of *Gladioli Peace*, *Peachblow*, and *Papilio Rose*. Award of honorable mention recommended.

Collection of phlox and three beds of roses, not in condition to pass upon. A. N. Pierson, Inc., Cromwell, Conn.

Bed of *Canna Firebird*, Arthur T. Boddington, Co., Inc., New York. Not in condition to judge.

Bed of *Canna New York*, edged with *Canna Snow Queen*, Conard & Jones Co., West Grove, Pa. Certificate of merit recommended for variety *Snow Queen*.

Six beds of cannas by Henry A. Dreer, Inc., Philadelphia, Pa. *Orange Bedder*, very distinct and effective; certificate of merit recommended. Favorite, deep orange yellow, spotted; certificate of merit recommended. The Gem, light primrose yellow, *Eureka*, pale primrose, *Scharfenstein*, lilac pink, and *Lahneck*, deep pink; award of honorable mention recommended.

Bed of dahlias, not in condition. Raymond W. Swett, Saxonville, Mass.

Bed of miscellaneous plants by W. A. Manda, Inc., South Orange, N. J.

Hybrid mallows, three named varieties, white, pink and crimson, plants of vigorous growth with fine, well formed flower. Thos. Meehan & Sons, Philadelphia, Pa. Award of honorable mention recommended.

Hybrid mallows, *Bobbink & Atkins*, Rutherford, N. J. Not yet in condition.

Beds of *Heliotrope centafleur*, *colous* seedlings, and mixed plants. A. L. Miller, Jamaica, N. Y. Honorable mention recommended.

Bed of unnamed canna, originated by Meisel Bros., Detroit, Mich.

Exhibited by American Bulb Co., Chicago. Not in condition.

Collection of agaves, by New York Botanical Gardens. Honorable mention recommended.

A. HERRINGTON,
R. A. VINCENT,
JOHN H. PEPPER.

COLLEGE FLORIST SECTION.

A meeting of the College Florist Section of the S. A. F. & O. H., was held in connection with an informal dinner at the Hotel McAlpin on Wednesday evening, August 22nd. Prof. E. A. White of Cornell University acted as chairman and arranged for the meeting.

Messrs. A. C. Beal of Cornell University; Pres. R. C. Kerr of Houston,

Texas; N. L. Mulford, Department of Agriculture, Washington, D. C.; W. W. Ohlweiler, Missouri Botanical Garden, St. Louis; N. E. Palmer and Geo. B. Palmer, Brookline, Mass.; A. S. Thurston, Iowa State College, Ames, Iowa; J. Whiting, Massachusetts Agricultural College, Amherst, Mass., and E. I. Wilde, Pennsylvania State College, State College, Pa., participated in the discussion of the relations of educational work to horticulture and especially with reference to horticulture.

It was the consensus of opinion that there was a great deal of work to be done to encourage a greater and more cordial co-operation between the commercial men and the educational institutions. Many phases of organization work in connection with floriculture were brought up for discussion.

THE WHITE HOUSE

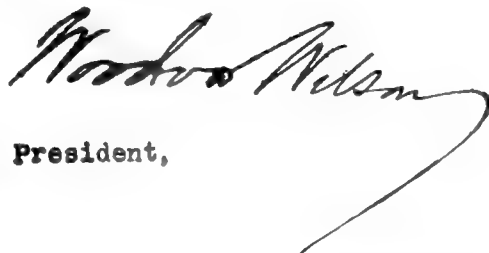
WASHINGTON

August 23, 1917

My dear Mr. Kerr:

Let me give myself the pleasure of acknowledging the receipt of your and Mr. Young's telegram of the twenty-first of August, and telling you and the members of the Society of American Florists and Ornamental Horticulturists how deeply I appreciate your generous expression of confidence and approbation. With warmest thanks for your pledge of support, believe me

Cordially and sincerely yours,



Mr. Robert C. Kerr, President,
New York City.

President Wilson's Reply to the S. A. F. Convention Telegram of Confidence and Support.

and variety of subjects introduced were so many, and of so much general interest, that it seemed advisable at another time to make the program somewhat more specific.

Pres. Kerr strongly advised a definite organization so that in the future distinct provision could be made for the meetings of this section in connection with the meetings of the S. A. F. & O. H. With this organization in mind Prof. White was selected temporary chairman and Mr. Ohlweiler temporary secretary, until permanent organization could be arranged for at Saint Louis next April at the National Flower Show.

It was agreed that an effort would be made to provide for a greater attendance of men interested in the educational features of floriculture at the coming convention at Saint Louis, and it is quite likely that a definite program will be provided at that time.

The discussion proved of considerable interest and opened up many new points of view, and in this connection it is requested that others interested in the subject communicate with either the chairman or the secretary before the Saint Louis meeting.

W. W. OHLWEILER,
Mo. Botanical Garden,
Temporary Sec.

MOTHERS' DAY COMMITTEE.

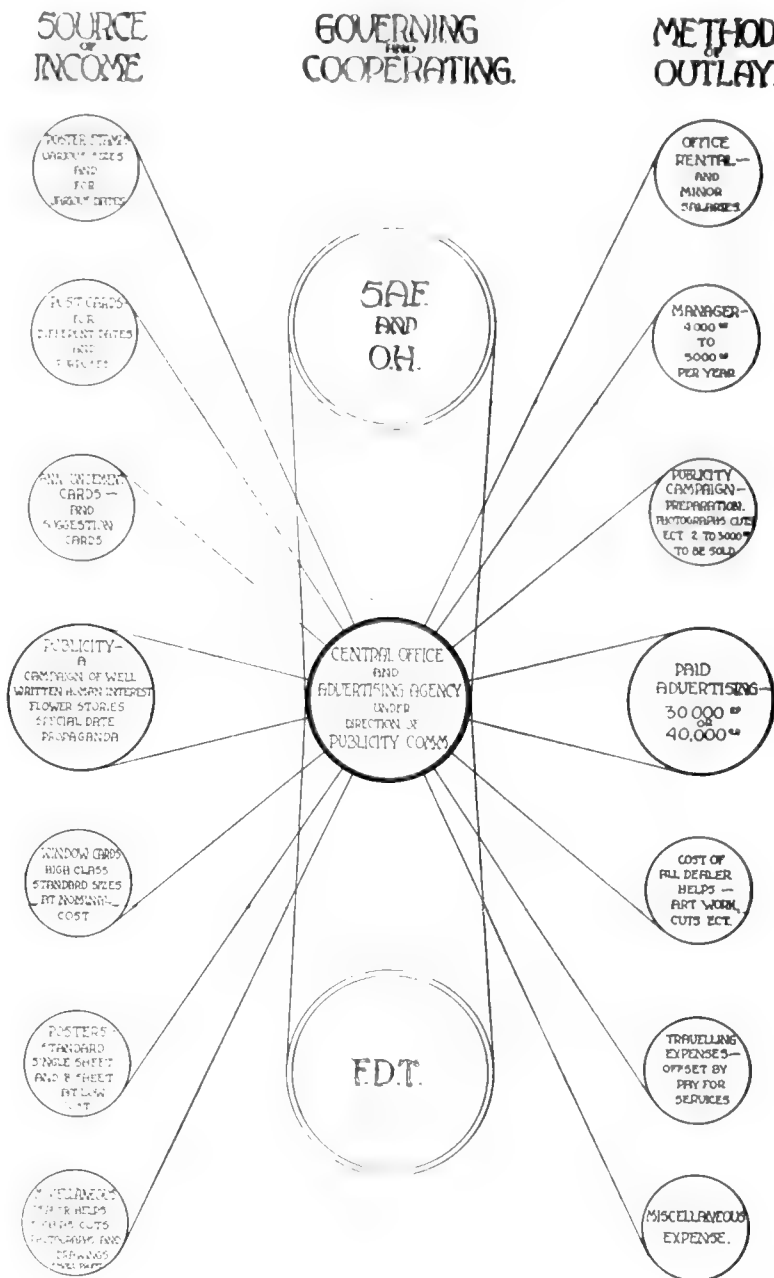
(Report of O. J. Olson)

"Mother's Day" has now developed into one of the big flower days of the year throughout the greater part of the country. There is a greater and more widespread call for flowers for "Mother's Day" than any other day, though the sales average less, and the total sales do not amount to as much as does Easter and Christmas. We have, however, the biggest opportunity to make this the banner day of the year, if we will but realize it. There is no limit to the amount the public will spend when prompted by the tender sentiments which is attached to the magic name of Mother.

Many of our retailers have already seen the desirability of interesting the customer in something better and different than the ordinary bunch of carnations and are showing many things to take the place of carnations for "Mother's Day." Blooming plants have been a big aid in this, and if we will make the effort along this line, it will help solve the problem of supplying the demand for flowers as well as to hold down the exorbitant price of carnations, which the demand causes.

There was not the big percentage of call for white carnations this year that has been experienced in former years; this is the result of the use of the slogan "Bright flowers for mother's memory," used by many florists in advertising for "Mother's Day." On account of the lack of a defined program, due to there being no opportunity for the widely scattered members of this committee to meet and formulate one, very little has been accomplished. The collection of a fund to be turned over to Miss Anna Jarvis has not had the response from the trade that it should have had. An effort to secure promises of yearly subscriptions has not proved successful so far, but it is hoped that this plan will still prove

THE PUBLICITY CAMPAIGN.



The diagram shown here is a much reduced copy of the one presented by Mr. Therkildson in his talk before the S. A. F. as chairman of the Committee on Publicity, outlining a concrete plan for a systematic publicity campaign in

the interest of the florist business. Mr. Therkildson's report, in the main, was printed in our previous issue. The diagram tells its own story without further explanation. It is worthy of thoughtful reading and study.

successful. Many florists have expressed a desire that this committee endeavor to secure co-operation from all those interested in furthering the sale of flowers for "Mother's Day," and to concentrate our efforts on one general plan. Another expression heard from retailers is the desire to get the growers to supply more suitable stock for "Mother's Day" and also to eliminate the so-called pickled stock as far as possible.

I regret that circumstances prevent me from being present at the convention to make a more complete report, and also to discuss matters pertaining to "Mother's Day."

Receipts to July 31, for subscriptions	\$571.00
Expenditure for printing, postage, etc.	516.50
Balance	\$ 54.50

AMERICAN GLADIOLUS SOCIETY.

Officers were elected at the New York meeting as follows: A. E. Kunderd, Goshen, Ind., president; H. E. Meader, Dover, N. H., vice-president; Madison Cooper, Calcium, N. Y., treasurer; Henry Youell, Syracuse, N. Y. (re-elected), secretary. It was voted to have an executive committee appointed by the president-elect.

REPORT OF THE NATIONAL FLOWER SHOW COM- MITTEE.

In submitting my report to the convention, I wish briefly to touch upon its objects, which it is understood by the committee from instructions received at the various conventions, are to promote horticulture in all its branches and to make same self-sustaining, the idea of profit being a second consideration.

The committee has also taken the stand that they must work equally hard for the interest of the exhibitor, to provide for him adequate recompense by bringing to the exhibitions enough of the public to encourage him in making his exhibit the last word in horticulture.

This also applies to our exhibitors in the trade section. While our charges for foot space have been more than double that charged at the conventions, yet the exhibitors at the National Shows have always said that it paid that much better to exhibit at the shows than at the conventions. This can be readily seen as making a decided change pertaining to the conventions of our society, and in my opinion the time is very soon at hand, if not now when there should be a National Flower Show in the spring of every year and at this time the convention should also be held.

Statistics kept by the secretary, show that the attendance at the National Flower Shows by the members of our society are three times as great as at the conventions. It is also a natural buying season and the exhibitor finds the florist visitor at the convention in a mood for buying.

The attendance at the conventions held during the summer the last few years has decidedly dropped off and this is not to be wondered at as most people prefer to enjoy the taking of a vacation during the summer months and as the business of the society by the increased membership on the Board of Directors, by the affiliation plan has gone to this body for their consideration. It also wants to be taken into consideration by the members the fact that these National Flower Shows are great educators and as there are so many cities in the country where they should be held, it is only possible to cover the ground by holding them as often as possible.

There are not many buildings in the country large enough to stage the exhibition as carried on now. In the city of St. Louis where we go next spring, we were forced to lease land adjacent to the beautiful Shrine Temple, to erect a temporary structure to stage our show, but there is a great indication in a number of larger cities to build large convention halls and in a very few years there will be a number of large buildings available in a number of cities where the exhibition can be held.

I wish to call to the attention of the members the necessity of the spirit of patriotism in this exhibition. Your committee is merely your agent for promotion and advertising of our business. It means the selling of more flowers and the bringing before the public the best quality and the latest novelties in our profession. We are going to the city of St. Louis as you all know, next spring. There are not

A HOUSE OF CYCLAMEN.



The accompanying illustration shows a house of the high-grade cyclamen, selected and improved for many years by J. A. Peterson, of Cincinnati, of

which we gave an account in a recent number of HORTICULTURE. This strain has attained a countrywide reputation.

a large number of big growers close to St. Louis. Therefore, our committee must look for the support of the growers throughout the country. If the committee does not get this support, it will work a severe hardship on them and will not reflect to the credit of our society or our business.

The American Rose Society will hold their convention and exhibition in connection with the show, also the American Carnation Society, who were represented at our last meeting in St. Louis and signified their intentions of making a great effort at the next show. We were greatly encouraged also by the Missouri Botanical Garden, commonly known as Shaw's Garden. Mr. Ohlweiler, the director, assured me that he would do everything possible, and if necessary they would move the garden to our exhibition hall. This is the spirit taken by the florists in general in St. Louis, but if this show is to be national, we ought to have exhibits, not only from the Atlantic Coast but from the Pacific Coast as well.

There has been some talk, early in the preparatory part of the exhibition about abandoning the show on account of the war. This, the committee unanimously believes would be a serious mistake as the motto "business as usual" has been supplemented by "business better than usual" and as this is strictly a business exhibition and our line in particular must keep in advance of the times.

The committee was fortunate in securing a location that compares somewhat to the one at the recent Philadelphia show, being located on the principal boulevard, and in the heart of the city, adjacent to four of the most prominent car lines, also being on the principal drive, surrounded by some of the finest homes in St. Louis. There also is a triangular park space belonging to the city, immediately in front of the building, which the park commissioners have promised to plant accord-

ing to the wishes of our committee.

We are very much encouraged by the spirit shown us by the St. Louis Florist Club and its members. The dates for the show are April 6th to 15th, inclusive, giving us ten full show days as the laws in St. Louis allow exhibitions open on Sunday. The weather in St. Louis, from statistics gathered, is shown to be a delightful climate and quite warm at that season.

The lot as leased by the committee is 350 feet long by 150 feet deep and is now levelled off and being seeded. We have also contracted for an ornamental electric light billboard to be placed there which will be in operation this week. The billboard shows the prospective building with wording announcing to the public the contemplated show. Every effort is being made by the committee which is composed of L. P. Jensen, head gardener of the Busch estate, Mr. Strehle, superintendent of parks in St. Louis and Mr. Baumann, landscape architect, to have a beautiful planting effect, shrubbery, flower beds, etc. There is no doubt that in the eight months this board will be up, it will give great publicity and most of the St. Louis people will know of the enterprise. We have also started a publicity campaign, the first of which appeared in the leading papers last week in the way of editorials commenting on the enterprise.

Moolah Temple is one of St. Louis' most beautiful structures, consisting of two large auditoriums, one on the lower floor being used now as a main dining room and drill hall. It is in this hall that we intend to place the trade exhibit, it being, without doubt, ideal for that purpose. On the upper floor, it is the intention of the committee to stage the retail florists' exhibits, using the large stage for effective decorations and special features. There is a large balcony in this hall, which will seat 1500 people, thus pro-

being a fine thing, and were a beautiful view can be had.

Connected with this is another hall, built for the purpose of holding one hundred and twenty-five pictures, which will be used for lectures and for the public at the various shows. There is a great interest in attending the lectures and it is the intention of the committee to run them more often during the exhibition. The hall has been designed expressly for this purpose. Immediately to the left and right of each entrance are beautiful office rooms, one of which can be used by the secretary and officers of the Society of American Florists, the other for the show committee and press work. There are also suitable places for the meetings of the society and in fact any of the auxiliary organizations to hold their meetings or conventions.

All things considered, the committee thinks that we have the best equipment for conducting the show and convention than we ever had. The cost for the erection of the temporary building used for the main exhibit, it is estimated, will compare favorably with what we have paid in the past for rental, and we have good prospects of leasing to the automobile people for their exhibition and also to the "Good Road" Convention, and also several other exhibitions which we hope to secure and receive rental from.

The committee have arranged to have several leads of water pipe run through the ground with three or four outlets. This would enable us to thoroughly water without any damage and also to keep off all dust and dirt of exhibition. It is the intention of the committee to design this in a beautiful vista effect with rose gardens and groupings of foliage and flowering plants and with the help and support of the florists' trade, this ought, indeed, to be a wonderful spectacle to view.

In a very short time, the committee will gather in St. Louis to appoint the working committees and open the office and start the publicity campaign in earnest. There is a possibility of the leading merchants of the city of St. Louis conducting a spring pageant at this time which will bring thousands of people from out of town to the city. The convention bureau through Mr. Hatfield, the manager, have been and are very active in their work with our committee.

The second preliminary schedule has been sent out by Secretary John Young and it is hoped that this will receive the consideration of the growers throughout the country and I wish, once more, to impress upon the trade the importance of supporting your committee in doing the work.

A National Flower Show is one of the greatest exhibitions that is held in the country and the Society of American Florists can be well proud of the exhibits as they are being conducted and it is hoped that every consideration will be given to the members of this committee for their loyal support and hard work in this stupendous undertaking which involves much careful financing as well as being a very laborious project.

Once more, I also wish to repeat that your committee believes that the importance of these exhibitions demands their being staged every spring in some city. The results of this exhibition are very pleasing, in the fact

that we are accomplishing some of the things as originally thought of by the first promoters of these shows. It is a source of pleasure after the hard work, to find that all concerned are well pleased, not only the public who view the show, but the exhibitor who spends much time and money and the effect gained is more than worth the time, trouble and expense.

Just a word to the promoters of flower shows throughout the country. The men of the National Flower Show committee have been selected for their experience in conducting past exhibitions. Secretary John Young has statistics at hand with the information which committee would be pleased to impart for the asking. I believe that a number of mistakes made by those handling these exhibitions could be corrected if they were to ask the chairman of our committee, or secretary for such information. I also wish to call attention to the society's medals which are available as prizes. We are only too glad to offer them where demand is made upon us.

Also there is a likelihood in the near future of a clashing of dates of large shows in this country. It would be better for all concerned if exhibitions could be so arranged as the automobile trade do now, by allotment of dates. It brings a hardship upon the exhibitors, both in the trade and in the premium classes should shows conflict. Also, where an out-of-town attendance is looked for, it would avoid a number of prominent exhibitors and trades' people being absent by attending a show in another locality.

At the present time, the only large spring exhibition that we know of next year is in New York and as their dates are fixed from March 14th to 21st, just prior to Easter, it will be seen that there will be no conflict there. Thus, by arrangement, there need be no conflicting of the dates of exhibitions. Several times in the past, one instance being last spring when St. Louis and New York exhibitions were being held at about the same dates. A number of people in the trade informed me that they were sorry as they wished to attend both shows. This also was true in the case of the last big fall show in Cleveland and Chicago, whose dates were also identical.

Before closing, I wish to congratulate the horticultural interests of New York upon their taking advantage of the National Show and staging successful and better shows following. While every city in the country could not conduct an annual show on so large a scale, yet our committee believes that if the National Flower Shows were followed up by exhibitions on a similar scale every two or three years, it would help keep up what was started by the National Flower Show.

NEW YORK DAHLIA SHOW.

The Dahlia Show of The American Institute of the city of New York and The American Dahlia Society will open at the Engineering Building, 25 to 33 West 39th Street, between 5th and 6th Aves., New York, on Tuesday, September 25th, from 7 p. m. to 10 p. m., and continue on Wednesday and Thursday September 26th and 27th, from 10 a. m. to 10 p. m. Admission free.

During Recess

Sewickley Horticultural Society.

The second annual picnic was scheduled to take place on the beautiful estate of Mrs. Wm. Thaw, Sewickley Hts., on August 22. It promised to be the event of the season. There was a large attendance and competition in the various sports bid fair to be keen and exciting. The initial event (a quilt match) was well under way when a terrific storm of long duration put a damper on all enjoyment and turned the event in a "Dutch picnic," as someone colloquially remarked. It must have been especially disappointing to Mr. Jones, supt. for Mrs. Thaw, who had put in a lot of hard work to have everything in readiness. The sports events were played off on the following Saturday, but unsettled weather was responsible for a small attendance and competition was by no means keen. Thanks are due to the many donors of prizes, all of which were worth keener competition.

The second annual fall exhibition will be held on September 28-29. Special inducement is offered to amateurs, those who have cultivated war gardens, and school children. Ribbons and medals will be the only awards and the proceeds will be all turned over to the Sewickley Valley Auxiliary, Kit & Comfort of the Red Cross.

JOHN CARMAN, Secy.

New York vs. Philadelphia.

There was just one bowling event during the progress of The S. A. F. Convention at New York and that was between the two old rivals—New York and Philadelphia, in competition for a \$25 prize offered by Hitcainings & Co. New York took the trick and the money. Scores were as follows:

NEW YORK.			
	1st game	2d game	3d game
A. Donaldson	157	180	147
Roman J. Irwin	161	157	139
Jos. Fenrich	113	163	140
John Donaldson	159	145	133
John Miesem	141	154	140

PHILADELPHIA.			
	1st game	2d game	3d game
J. M. Brown	145	178	148
W. H. Wagner	121	130	128
Chas. Gray	138	145	124
W. H. Engler	136	101	102
Harry Elsele	152	125	131

LECTURES AT BRONX PARK.

Free public lectures will be delivered in the Lecture Hall of the Museum Building of the Botanical Garden, Bronx Park, New York, Saturday afternoons, at four o'clock, as follows:

- September 8, "The Origin and History of Soils," by Dr. A. Hollick.
- September 15, "Growing Fresh Vegetables in the Back Yard," by H. G. Parsons.
- September 22, "Some Botanical Features of Northern Cape Breton," by Dr. G. E. Nichols.
- Exhibition of Dahlias, September 22 and 23.
- September 29, "Growing Nut Trees," by Dr. W. C. Deming.
- October 6, "Autumn Coloration" by Dr. A. B. Stout.
- October 13, "The Relation of Forests to Water Supply," by Dr. G. C. Fisher, Catskill Aqueduct celebration lecture.
- October 20, "Fall Planting and Winter Protection," by G. V. Nash.

CLUBS AND SOCIETIES

SOCIETY OF IOWA FLORISTS.

An auto trip given by the florists of Des Moines, Ia., to the out of town members and their ladies, who were attending the Iowa State Fair, took place on the afternoon of August 29. A visit to the leading greenhouses was first on the programme, then the parks and then a visit to Camp Dodge the great cantonment in process of erection and now almost complete for the 45,000 officers and soldiers to be cared for and trained for active service. This cantonment is located twelve miles northwest of our city. It is a sight never to be forgotten and one could not view it and not have an aching heart wondering how many of the brave boys stationed there would, after seeing active service, ever come back to their homes.

On our return to the city we were taken to one of our famous Tea Rooms, where a bountiful four-course dinner was served. Election of officers followed. Harve E. Lozier, Des Moines, was elected president; Arthur H. Smith, Boone, Iowa, vice pres.; Wesley Greene, Des Moines, secretary and treasurer. Directors—Geo. S. Woodruff, Independence; W. C. Davison, Des Moines; G. A. Heyne, Dubuque and J. S. Wilson, Jr., Des Moines.

Reports of various committees of the First Iowa Flower Show to be held in Des Moines on November 8-9-10-11, were called for. J. S. Wilson Sr. manager, gave a detailed report of the work to date. A. J. Zwart chairman of the guarantee fund made a fine report. Several others were called on and responded. All present were enthused and a fine show is in prospect.

Those present were:

Mr. and Mrs. J. S. Wilson, Jr., Wesley Greene, John Rogers, Frank H. Page, Mr. and Mrs. Harve E. Lozier, Mr. and Mrs. Alfred G. Lozier, Winona Nichols, Paul Battles, Mr. and Mrs. F. Roenfield, Wm. Trillow, Geo. McMahon, Geo. Kurtzwell, Mr. and Mrs. J. T. D. Fulmer, Mr. and Mrs. Alex H. Wilson, Curtis C. Hunt, Miss Esther Wilson, Mr. and Mrs. A. J. Zwart, Mr. and Mrs. J. S. Wilson, Sr., Mr. and Mrs. T. J. Johnston, all of Des Moines; Arthur H. Smith, Boone; James L. Denmead, Marshalltown; R. Trudenchina, Marengo; C. L. Van Meter, Monticello; G. A. Heyne, Dubuque; Homer Richey, Albion; Geo. S. Woodruff, Independence; Mr. and Mrs. M. Kurtzwell, Altoona; W. F. Jeffrey, and John Reardon, Ames; Wm. Laisle, Keokuk, and Lillian Burkayd.

Mrs. J. T. D. F.

ROCHESTER (N. Y.) FLOWER SHOW.

The annual Rochester Exposition and Flower Show was formally opened by H. H. Edgerton, mayor of Rochester, at 10 a. m. Labor Day. The building and grounds were crowded with people. The weather condition was ideal. The flower section is attracting large crowds and includes exhibits from most of the city florists and growers as well as out of town growers. George Cramer and his helpers are to be congratulated upon the realistic water fall at the east end of the peristyle. It is surrounded by arborescent trees and fallen logs. The pool

MEETINGS NEXT WEEK.

Monday, Sept. 10

Cleveland Florists' Club, Hollenden Hotel, Cleveland, Ohio.
Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, Baltimore, Md.
New York Florists' Club, Grand Opera House, New York City.
Rochester Florists' Association, 95 Main St., East Rochester, N. Y.
Cincinnati Florists' Society, Hotel Gibson, Cincinnati, O.

Tuesday, Sept. 11

Newport Horticultural Society, Newport, R. I.

Wednesday, Sept. 12

Dutchess County Horticultural Society, Fallkill Bldg., Poughkeepsie, N. Y.
Lenox Horticultural Society, Lenox, Mass.
Morris County Florists' and Gardeners' Society, Madison, N. J.
Nassau County Horticultural Society, Pembroke Hall, Glen Cove, N. Y.

Thursday, Sept. 13

Essex County Florists' Club, Kreuger-Auditorium, Newark, N. J.
New Orleans Horticultural Society, Association of Commerce Bldg., New Orleans, La.
North Westchester County Horticultural Society, Mt. Kisco, N. Y.
Tacoma Florists' Association, Macabee Hall, Tacoma, Wash.

Friday, Sept. 14

North Shore Horticultural Society, Manchester, Mass.

COMING EXHIBITIONS.

Nov. 8-11, Des Moines, Ia.—Society of Iowa Florists, First Iowa Flower Show. J. S. Wilson, Mgr.

Sept. 19-20, New Haven, R. I.—New Haven Horticultural Society, September Exhibition.

September 8-9, Boston, Mass.—Massachusetts Horticultural Society, Dahlia Show.

September 10-15, Syracuse, N. Y.—New York State Fair.

proper is bordered by a rockery with ferns and flowers.

Two large boxes filled with asters of all shades are at the entrance of the auditorium. The floral hall is beautifully decorated with wild smilax and palms, the exhibits of flowers, considering the late and rainy season are beautiful. The exhibitors include the following: James Vick's Sons, a mammoth display of hardy and perennial stock, asters and a new yellow aster which at present is unnamed; A. M. Newborn, display of everlasting; C. W. Curtis, gladioli, including some very fine new seedlings; H. E. Wilson, palms, ferns and bay trees; Hans Moller, Pittsford, N. Y., collection of *Celosia cristata*; H. Youell, Syracuse, N. Y., a large collection of gladioli; The Park Board, a beautiful display of palms, ferns, caladiums, begonias, crotons, gloxinias and hanging baskets of achimenes; N. A. Hallauer, Ontario, N. Y., gladioli, dahlias and asters; George T. Boucher, collection of ferns attractively planted in stumps and limbs of trees; vases of gladioli add color to the exhibit. Jacob Thoman & Sons, a splendid exhibit chiefly gladioli and ferns.

In the professional class, entries for various designs, table decorations and wedding bouquets are held daily, the report of which will be found in next week's issue.

MANCHESTER'S NEW HORTICULTURAL BUILDING.

The magnificent new home of the North Shore Horticultural Society at Manchester, Mass., completed at a cost of over \$25,000, was duly dedicated on Thursday afternoon, August 30. A representative audience was present which included many of the most prominent residents of the North Shore summer colony. The stage was handsomely decorated with palms. The exercises opened with a violin solo played by Mr. Timothee Adamowski.

President Frank P. Knight presided and gave a short address extending in behalf of the North Shore Horticultural Society a cordial and hearty welcome to those present.

Alfred E. Parsons, chairman of the building committee, in presenting the keys said they had tried to erect a building that would be a benefit to the entire community and hoped it would continue to grow in every respect. "I have the honor to present the keys."

The president in accepting the keys said he did so with a deep sense of gratitude; grateful to the architects for the beauty and symmetry of the building—to the builders for the patient and thorough work that had been done—to the nurserymen who had set out the grounds with beautiful shrubs typical of the future growth of this society and Mr. Chairman and members of the committee for their faithful services.

Lieutenant-Governor Calvin A. Coolidge was next introduced, basing his theme on the war conditions of our nation.

State Secretary of Agriculture, Mr. Wilfrid Wheeler, was the next speaker and made a strong plea for horticulturalists who have not received the attention in this country that they demanded, he claimed.

The exercises closed with all singing the "Star Spangled Banner."

The Lord & Burnham Co. presented the society with two steam boilers for heating the building and Julius Huerlin, of the Blue Hill Nurseries, donated the shrubs for planting the grounds. The planting is all evergreen including some beautiful specimens, and a hedge of hemlock on three sides of the building. The building committee is composed of A. E. Parsons, chairman; Wm. Till, secretary; Herbert Shaw, Axel Magnuson and Frank Foster. H. W. Purington, treasurer of the Manchester Trust Co., handled the financial end of the business. F. J. Merrill, R. C. Allen and G. S. Simrick also gave valuable assistance to the committee.

The Gladiolus Show at Worcester, Mass., on Thursday, August 2, was a very brilliant spectacle. Among the chief exhibitors were Raymond W. Swett, Saxonsville; H. E. Meader, Dover, N. H.; W. E. Woodward & Son, Saxonsville; Mrs. Percy G. Forbes, Mrs. E. M. Wilson, Mrs. Fred A. Carr and others.

Local and General News

BOSTON.

Announcement is made of the marriage on Wednesday, September 5, of Helen Brown Goddard, daughter of Mr. and Mrs. S. J. Goddard, to Robert LeRoy Lewis at Framingham, Mass.

The Horticultural Club of Boston held its first session of the season at the Parker House on Wednesday evening, September 5. The affair took the form of an appreciation of the work and character of Alexander Montgomery, who is about to remove from Natick to Hadley, in the western part of the state. A great mound of heather from William Anderson adorned the center of the table.

The annual field day given by the Waban Rose Conservatories to their employees was held on the grounds of the Company at Natick on Saturday, September 1. About 125 participated including children and a delightful day was spent despite the fact that it rained in the afternoon and the children's sports, etc., had to be carried on under cover. The affair closed with three rousing cheers for Mr. Montgomery.

The annual exhibition of the products of children's gardens was held in Horticultural Hall on Saturday last. There has been a constant increase of interest in this department of the work of the Massachusetts Horticultural Society and the exhibition was the most extensive ever held. 170 prizes were awarded for flowers and vegetables, amounting to \$400, of which \$200 is contributed by the Commonwealth of Massachusetts.

Fruit and vegetable canning that outclassed the work of many experienced housewives, exhibited in Wakefield by two 14-year-old boys, John Dinan and William Burke, took first prize in the annual flower show of the Wakefield Improvement Association. All the material was grown in the boys' own gardens. Young Dinan's father is gardener on the C. N. Winship estate. The association intended the prizes as a stimulus to the house-keeping efforts of the girls of the town, but the Dinan-Burke combination beat them out by several points.

NEW YORK.

Judgment has been recorded for the New York Florists' Supply Co., Inc., for \$113.26 against Manual M. Voit.

A commission as 2nd Lieutenant has been issued to George Peck, son of Thomas Peck, of Peter Henderson & Co.'s.

Mr. and Mrs. Eugene Dailedouze are enjoying a trip to the Pacific Coast, stopping at interesting points on the way.

W. P. Ford, who has been in St. Vincent Hospital for the past two weeks suffering with a fractured knee-pan, is reported as getting along satisfactorily.

LILY BULBS

COLD STORAGE

	100	1000	Case
Giganteum 7'9 (300 bulbs to case)	\$5.50	\$50.00	\$15.00
" 8'10 (225 bulbs to case)	7.50	65.00	14.75
" 9'10 (200 bulbs to case)	9.00	82.50	16.50
Melpomene Magnificum 8'9 (200 to case)	7.00	60.00	12.00

After Sept. 1st extra storage will be charged at the rate of \$.15 per case per month

5% DISCOUNT FOR CASH WITH THE ORDER.

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NEW YORK CITY

WASHINGTON, D. C.

Samuel Everett, of the Dupont Flower Shop, has returned from a two months' vacation.

Otto Bauer, manager of the Washington store of the S. S. Pennock Co., accompanied by his family, is spending his vacation at Wildwood, N. J.

William F. Gude had the honor of walking on President Wilson's left at the head of the parade on September 4 in honor of the men who have been drafted for service in the new National Army. As with the Preparedness Parade last year, Mr. Gude was chairman of the committee on arrangements.

The State Department has just received a cablegram from the American Consulate General in Paris stating that the exportation and re-exportation of trees, shrubbery and all other nursery products has been prohibited in a French decree of August 24. The usual exceptions are made for allied and American countries.

J. H. Small & Sons were the decorators at the Hotel Willard on the occasion of the banquet to Viscount Ishii and the Japanese Mission. The center of the table was a miniature Japanese garden, the outer edge outlined with hydrangeas. Each lady guest was presented with a corsage of pink roses and each gentleman with a boutonniere of red and white carnations.

The regular monthly meeting of the Florists' Club of Washington was held on September 4. Coming on the day of the parade, nearly the entire meeting was given over to talking of that event and of the showing made by the young men who have been taken from among the florists. An invitation was extended to the members by Edward S. Schmid to be his guests some time later in the year. Due announcement will be made shortly.

PHILADELPHIA.

Jack and Douglas, sons of Howard M. Earl, of Burpee's, have been appointed corporals in the National Army and hope soon to be en route for France. Mr. Earl returned on the 27th from a six weeks' crop inspection trip. He went west as far as the Pacific coast, and reports great enthusiasm among the people for the big work America has undertaken to make the world safe for democracy.

About seventy of neighbors and friends in the vicinity of his place of business at Olney, Philadelphia, took John Kuhn by surprise on Thursday, August 30, and haled him to the spacious dining room of the private club at Schuetzen Park and treated him to a fine banquet. No nobler fellow than John Kuhn ever lived. He had his hard struggles early, but things came his way at last. And all the boys think so much of him that they had to express their feelings—which they did. It was a festive occasion that will long be remembered.

CINCINNATI.

C. H. Kyck is re-decorating the interior of his store.

C. E. Critchell has returned from his trip to the convention and a week at Atlantic City.

Mr. and Mrs. C. J. Ohmer leave on Wednesday of this week on a trip to various Ohio and Indiana points.

The September meeting of the Cincinnati Florists' Society will be held next Monday the 10th at Hotel Gibson.

St. Louis.—E. J. Eisner (not E. J. Fisher) as previously printed, is now manager at Grimm & Gorly's. Wm. C. Smith Wholesale Floral Co. have repainted their salesroom.

CHICAGO.

John Props, salesman at the Alpha Florist Co., is enjoying a vacation at Detroit.

Andrew Anderson a retail florist of Batavia, Ill., was in town looking over materials for remodeling his heating plant.

The usual number of visitors were seen in the downtown district calling on the wholesale and retail trade on their way back from the New York convention.

Mr. Erickson has rented his six houses devoted to carnations, and will retire. His three sons are all awaiting call to the army. The houses have just been planted with a nice stock of plants.

The Gould Mfg. Co., have installed a new water pumping plant for the Brant & Noe Floral Co. The pump is driven by a kerosene engine, thus saving a large amount of coal and labor formerly required to drive a steam pump.

Market gardeners around Forest Glen Station are experiencing trouble with a species of green fly on tomatoes. The fly is in such numbers as to completely ruin the plants. No such plague has ever appeared here before.

Wiltgren & Frerers, the youngest firm of wholesale florists in the city, report a good summer and are satisfied with their start. Mr. Wiltgren has been kept at the greenhouses since early spring and Mr. and Mrs. Frerers are at the store.

The central steam vacuum heating system being installed in the houses of the Brant & Noe Floral Co., is fast nearing completion. A 150 H. P. boiler is also being installed to replace two smaller boilers. The work is being done by the Lord & Burnham Co. of Desplaines.

Christian Attergott rose grower at Brant & Noe Floral Co., narrowly escaped being hurt when one of the toughs he drove out of the apple orchard on the place turned around and fired five shots at him out of a revolver. The man disappeared before anything could be done to arrest him.

Mr. and Mrs. Otto Lang, of Dallas, Texas, spent the week end in Chicago, returning from the convention. While Mr. Lang visited the wholesale houses Mrs. Lang was given a glimpse of the great shopping district by HORTICULTURE'S representative. The Lang Floral & Nursery Co. has three stores, 50 acres of land and 100,000 sq. ft. of glass.

Mr. and Mrs. Jas. G. Hancock spent a week in western Michigan. At Grand Rapids they were entertained by Henry Smith. Mr. Hancock was for many years a florist and vegetable grower in Michigan and to him and his father, Geo. Hancock, is due the credit of introducing the celery culture there which made that part of western Michigan famous.

Robert Newcomb, of the American Bulb Co., has returned from the S. A. F. convention and reports favorably of the business he did while there. The American Bulb Co. has received its shipments of French lily bulbs and the

stock looks very good. This firm has just made the second enlargement of its store space adding a large basement room for storing and handling stock. A. Miller, president of the company, has just returned from New York.

Some of the local growers of the Mrs. Russell rose are trying experiments with the handling of this popular flower to see if it cannot be induced to open more surely after cutting. As usually grown, buds cut close always bring complaints from purchasers that they droop and are unsalable the following day. It has been found that growing with increased temperature will cause buds to expand more rapidly but whether other effects will offset this is not yet determined.

The miniature roses are seemingly growing in popularity each season and one or more varieties are found in every wholesale house. But the person who wants to see them all and make comparisons will find a splendid collection at J. A. Budlong's, whose sales of these little favorites probably

exceeds those of any other house. The newest one is the Evelyn Nesbit, a rose with a most pleasing color and possessing a strong stem which assures good keeping qualities, making it desirable both for local sales and shipping purposes.

FRENCH EMBARGO ON NURSERY STOCK.

(Cablegram from American Consulate General, Paris, Aug. 25.)

Decree of August 24 prohibits after August 25 exportation and re-exportation of trees, shrubbery and all other nursery products. Usual exceptions are made for allied and American countries.

HILL'S EVERGREENS

BEST FOR OVER HALF A CENTURY.
Small, medium and large sizes supplied.
Price list now ready.

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Evergreen Specialists. Largest Growers in America.
BOX 414, DUNDEE, ILL.

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Natural Size of Box-Barberry Foliage

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SEED TRADE

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Seed Corn Selection Now.

The acre yield of corn in the United States could and should be greatly increased, according to the United States Department of Agriculture. The average production for the country is 26 bushels an acre, though yields as high as 200 bushels have been made by contestants in boys' corn clubs. Seed corn should be selected from stalks standing where they grew. This is necessary because it is the means of making sure that the seed will have the power to yield well, as shown by the superiority of the stalks over surrounding ones that grew under the same conditions. This sort of seed inherits high producing power. It must be understood that an early-maturing corn yielding abundantly on short, thick stalks is likely to repeat these same characters in the next generation. For example, seed corn should be taken from stalks without suckers; such seed may produce some stalks with suckers but it will invariably produce fewer suckers than seed from sucker-bearing stalks.

All seed corn should be selected by hand, as a special task, and not incidental to husking. The corn should be gathered as soon as thoroughly mature and before the first hard freeze. Enough should be gathered for two seasons' planting to insure a supply of seed if, for example, the first planting is drowned out or if the next crop should be hurt by early frost.

The same day that seed corn is gathered from standing stalks as they grow in the field, the husked ears should be put in a dry place where there is a free circulation of air, and so placed that the ears do not touch one another. Much good seed has been ruined because it was thought to be dry enough when gathered. Many farmers think that their autumns are so dry that these precautions are not necessary, yet there is no locality where the corn will not be bettered by a thorough drying treatment. If corn is left in the husk it may sprout or mildew during warm wet weather, and it is more likely to become infested with weevils. The vitality of seed may be reduced by leaving it in a sack or in a pile for even a day after it has been gathered. During warm fall days, with some moisture in the cobs and kernels, the ears heat or mildew in a remarkably short time.

The best and cheapest treatment immediately after the ears are gathered and husked is to tie the ears singly on binder twine at about eight-inch intervals, the twine being looped about the middle of the ears so that they hang balanced and horizontal. Ordinary binder twine is strong enough to support from 15 to 20 ears.

Large Potato Crop in New Brunswick.

Reports show that the potato acreage in New Brunswick is greater than it was in 1916, and so far the crop has done well. Barring rust or rot during the remainder of the summer and early autumn the Province should harvest one of the largest crops of potatoes on record. Reports from all sections are to the same effect—that there will be an enormous crop of the tubers. It is freely predicted that \$1.50 per barrel will be the ruling price next autumn and winter, and some even predict \$1 per barrel. No contracts for potatoes are being made, and what few have been made were closed early in the year before the situation had unfolded itself.

Notes.

Mount Pleasant, Mich.—The Harris Bros. Seed Company has increased its capital stock from \$25,000 to \$250,000.

I. N. Simon & Co., seedsmen, 6 No. Front street, Philadelphia, have leased the building at 438 Market street and will move about October 1.

CATALOGUES RECEIVED.

J. Bolgiano & Son, Baltimore, Md.—1917 Wholesale Summer and Fall Prices. Seeds and plants. Illustrated.

William Elliott & Sons, New York City—Autumn Catalogue of Bulbs and Seeds, 1917. For the trade only. Illustrated.

Conard & Jones Co., West Grove, Pa.—"New Floral Guide," Autumn, 1917. Illustrated. Amaryllis hybrids and roses in color shown on covers.

MICHELL'S NEW CROP PANSY SEED

MICHELL'S GIANT EXHIBITION MIXED

A giant strain which for size of bloom, heavy texture and varied colors and shades cannot be surpassed. Half tr. pk., 30c; tr. pkt., 50c; ½ oz., \$1.00; oz., \$2.00. Also.

GIANT SORTS IN SEPARATE COLORS

NEW CROP ENGLISH GROWN CYCLAMEN

100 1,000
Seed Seed

Duke of Connaught, Crim- son	\$1.25	\$10.00
Excelsior, White with red base	1.25	10.00
Grandiflora Alba, White...	1.25	10.00
Princess of Wales, Pink...	1.25	10.00
Salmon Queen, Salmon pink	1.25	10.00
Mixed Colors	1.00	9.00

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518 Market St., Philadelphia, Pa.

Kroeschell Bros. Co., Chicago, Ill.—New Catalogues describing the High Pressure Kroeschell Steam Boiler. This boiler is manufactured in units ranging from 100 horse power to 350 horse power and is primarily designed for use in large heating plants. This book is a splendid example of catalogue making. There are many very fine illustrations from photographs and drawings and the text is "chock full of meat."

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Paper White Grandiflora WHITE ROMAN HYACINTHS

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 Pansy Seed. Finest Florists' Mixture.
 \$6.00 per ounce.
 Mignonette. Giant Greenhouse Grown.
 \$8.00 per ounce.

When we say we can please you, we mean
 just what we say.

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1004 Lincoln Bldg. Philadelphia, Pa.

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 SWEET PEA**

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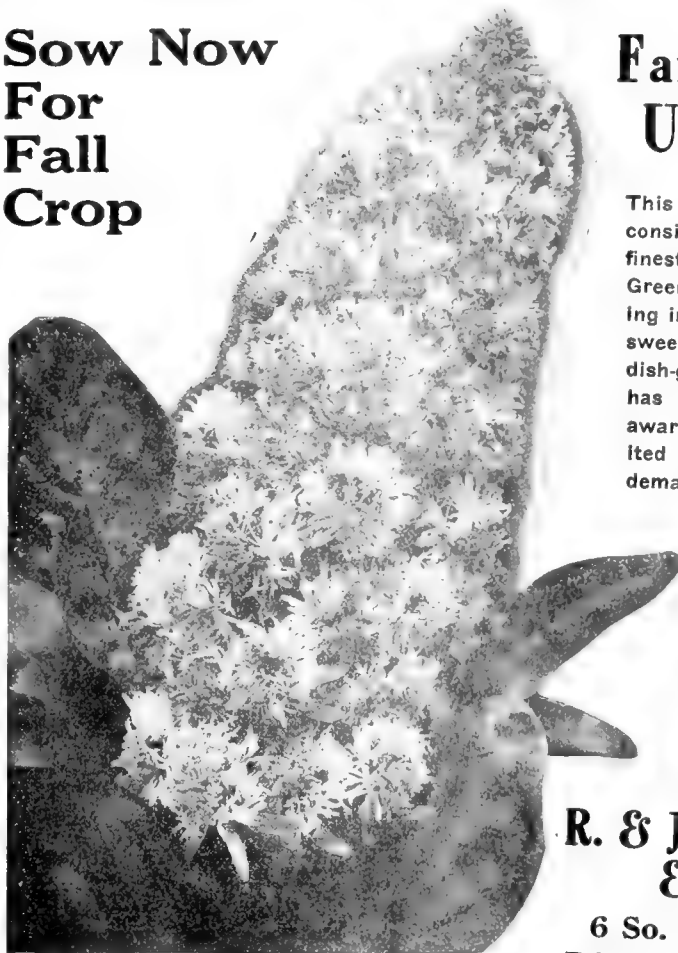
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1-4 oz. - \$4.00

1-8 oz. - 2.00

1-16 oz. 1.00

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Measuring from 6 to 8 feet. Can
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BEEF, CARROT, PARSNIP, RADISH and
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LEADING FLORISTS**38 Dorrance Street**

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Of Interest to Retail Florists**NEW FLOWER STORES.**

Lubbock, Tex. J. C. Dean

New York, N. Y. Thomas Adams,
87 Cortlandt streetBurlington, Wis. Burlington Floral
Co., Chestnut street.Spokane, Wash. A. J. Hart, Clem-
mer Theater buildingPhiladelphia, Pa.—Charles E. Mee-
han, 14 South Mole street (wholesale).**NEWS NOTES.**Merrill, Wis.—Joseph Frisch has pur-
chased the Merrill Greenhouses.Norwich, Ct.—Peter Versteeg has
bought the florist business and green-
houses of F. J. Langenbach, Lafayette
street.Rochester, N. Y.—G. R. Case has re-
turned from a vacation at Asbury Park
and Ocean Grove. H. B. Stringer, of
Geo. B. Hart's, is spending his vaca-
tion in Canada.Rochester, N. Y.—The Boston Floral
Shop was opened, September 1, with
a well equipped stock, under the man-
agement of Nick Collatos, opposite the
N. Y. Central depot.Rutherford, N. J.—C. H. Atkins, for-
merly with Bobbink & Atkins, has
opened an office at 267 Randolph ave-
nue, and will act as purchasing and
selling agent in both horticultural and
agricultural lines.

Detroit, Mich.—Sam Seligman says that, having the interests of The Florists' Telegraph Delivery Association at heart, he has decided to contribute only toward direct publicity benefiting The F. T. D. instead of the S. A. F. publicity fund. He mentions that in the city of Detroit in order to stimulate the publicity value of demonstrating to the public the service rendered by The F. T. D. the retail florists of that city are going to take advantage of his \$25.00 prize for the best F. T. D. window during F. T. D. week, October 2, 3, 4. The committee appointed by the Detroit Florists Club report that over ten stores will compete.


Albany, N. Y.

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Our Business is Growing*
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Will take good care of your orders
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440 Main St., Buffalo, N. Y.
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here given will be promptly and prop-
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Bangor, Me.—Adam Sekenger, 32 New-
bury St.
Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn the Florist, 124 Tremont St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.
Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.
Cleveland, O.—J. M. Gasser Co., Euclid
Ave.
Cleveland, O.—Adam Graham & Sons,
5523 Euclid Ave.
Cleveland, O.—Knoble Bros., 1836 W. 25th
St.
Cleveland, O.—The Smith & Fetters Co.,
735 Euclid Ave.
Denver, Col.—Park Floral Co., 1643
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Detroit, Mich.—J. Breitmeyer's Sons,
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Houston, Tex.—Kerr, The Florist.
Kansas City, Mo.—Samuel Murray, 1017
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Los Angeles, Calif.—Howard & Smith,
853 So. Olive St.
Narragansett Pier, R. I.—Matheson House
Florist.
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Newport, R. I.—A. T. Bunyard, 145
Bellevue Ave.
New York—David Clarke's Sons, 2139-
2141 Broadway.
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New York—Young & Nugent, 42 W. 28th.
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New York—Dards, N. E. corner 44th St.
and Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.
New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.
Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.
Providence, R. I.—Johnston Bros., 38
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Olive St.
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853 SO. OLIVE ST.
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Every Order sure to receive
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We cover the territory between
New Haven and Providence

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Orders for the TWIN CITIES and for all
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If you expect a shortage let us figure on your requirements. We can furnish all good commercial varieties.

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10,000...\$2.00. 50,000...\$8.75. Sample free.
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EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
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The House for Quality and Service

ZECH & MANN

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WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

262B DEVONSHIRE ST., BOSTON, MASS.
Telephone, Main 6267-6268

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Sept. 6		ST. LOUIS Sept. 3		PHILA. Sept. 3	
Roses						
Am. Beauty, Special	15.00	to 35.00			20.00	to 25.00
" " Fancy and Extra	6.00	to 12.00	20.00	to 30.00	12.00	to 15.00
" " No. 1 and culls	3.00	to 6.00	2.00	to 5.00	4.00	to 10.00
Russell, Euler, Mock	1.00	to 6.00	3.00	to 20.00	3.00	to 12.00
Hadley	.50	to 4.00	5.00	to 10.00	2.00	to 8.00
Arenberg, Hoosier Beauty	.50	to 4.00	1.00	to 5.00	2.00	to 8.00
Ward	.50	to 4.00	2.00	to 4.00	2.00	to 4.00
Killarney, Radiance, Taft	.50	to 4.00	1.00	to 2.00	2.00	to 6.00
Ophelia, Sunburst, Hillingdon	1.00	to 6.00	2.00	to 8.00	2.00	to 6.00
Carnations	.50	to 1.00		to 1.00		to
Cattleyas		to		to	75.00	to 100.00
Dendrobium formosum		to 50.00		to		to
Lilies, Longiflorum	6.00	to 8.00	10.00	to 12.50	10.00	to 12.00
Lilies, Speciosum	1.00	to 2.00		to		to
Lily of the Valley	8.00	to 12.00		to 5.00	4.00	to 8.00
Snapdragon	1.00	to 2.00		to		to
Gladioli	.50	to 4.00	2.00	to 4.00	2.00	to 4.00
Asters	.25	to 3.00	1.00	to 3.00	.50	to 3.00
Chrysanthemums		to 20.00		to		to
Sweet Peas	.25	to .75		to		to
Marguerites	.20	to .75		to		to
Gardenias	20.00	to 25.00		to		to
Adiantum	.25	to 1.00		to 1.00	.50	to 1.00
Smilax	6.00	to 10.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng.	15.00	to 25.00	25.00	to 35.00	25.00	to 50.00

WILLIAM F. KASTING Co.

Wholesale Florists

568-570 WASHINGTON STREET - BUFFALO, N. Y.

J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

Flower Market Reports

BOSTON A very dejected condition prevails this week in the wholesale market and today, Sept. 6, is worse, if anything, than any day thus far. Gladioli and asters are the principal commodities in sight but roses are also accumulating now and sales are reported at figures that we should hesitate to quote. Quality is good, as a rule, but that doesn't seem to influence the situation at all. There are a good many miscellaneous things in stock such as cosmos, candytuft, coreopsis, etc., but nobody seems to have any use for them. Trading is at a complete standstill.

Just a few more roses **CHICAGO** are coming, easing up the market somewhat and giving buyers a little more leeway in selecting stock. Some fine asters are seen and stems 30 to 36 in. are on the fancy ones. These sell readily and so do the best mediums but of the quantities of small ones many are thrown away. As one wholesaler remarked, "If the growers of such imperfect asters would destroy them instead of sending them into the market, the very sight of which tends to lower prices on better ones, it would save money and effort to all concerned." This weeding out of poor stock seems to have taken place in a measure with gladioli which average much better this season. Chrysanthemum season is fairly open now, most of the stock being Golden Glow, with a few Smith's Advance supplementing them, but in another week there will be plenty of white. Lily of the valley pips are being held back and a few only are used as absolute demand calls for. Carnations are from the young plants mostly and are on short stems. Demand is light. Some very good home-grown asparagus sprays are offered.

Business is fair. **CINCINNATI.** Roses are in a good supply. The best ones find a good market. Asters are plentiful and excellent. Gladioli are still plentiful but they are approaching the end of their season very rapidly and are not as good as they were. Excellent lilies may be had. Other offerings are some dahlias and cosmos.

Most sluggish of all the recent dull weeks the present week would dishearten anybody except one trained in the ways and fortunes of the flower business in which hope "springs eternal" and things are taken philosophically no matter how they go. Asters still hold the greater part of the counter space and they are seen in all grades from poor to superlatively fine. The latter are the only ones that sell and it is only a small proportion, even then. Gladioli are still redundant but are on the wane and the dahlias are now pushing their way in to fill the approaching vacancy. Roses are plentiful and quality is daily improving but sales are light and prices very low. There is an abundance of lilies. Chrysanthemums are beginning to show up here and there.



ASTERS

Asters of the better sort are now plentiful and the quality top notch, superb Semple, Crego, Victoria and other first class varieties and in all colors.

Per 100, \$2.00 and \$3.00 extra choice, \$4.00

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NEW YORK PHILADELPHIA
117 W. 28th St. 1608-1620 Ludlow St.
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Franklin & St. Paul Sts. 1216 H. St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Aug. 27	CHICAGO Sept. 3	BUFFALO Aug. 27	PITTSBURG Sept. 3
Roses				
Am. Beauty, Special.....	15.00 to 25.00	20.00 to 25.00	20.00 to 25.00	12.00 to 20.00
" " Fancy and Extra.....	15.00 to 20.00	15.00 to 20.00	12.00 to 15.00	8.00 to 10.00
" " No. 1 and culls.....	8.00 to 10.00	3.00 to 10.00	3.00 to 8.00	2.00 to 6.00
Russell, Euler, Mock.....	3.00 to 8.00	3.00 to 20.00	3.00 to 8.00	4.00 to 10.00
Hadley.....	.....	.....	.....	.....
Arenberg, Hoosier Beauty.....	3.00 to 6.00	2.00 to 8.00	3.00 to 8.00	.....
Ward.....	3.00 to 5.00	2.00 to 6.00	2.00 to 3.00	4.00 to 8.00
Killarney, Radiance, Taft.....	3.00 to 5.00	2.00 to 6.00	2.00 to 6.00	4.00 to 8.00
Ophelia, Sunburst, Hillingdon.....	3.00 to 6.00	2.00 to 8.00	2.00 to 6.00	4.00 to 10.00
Carnations	1.00 to 2.00	.50 to .75	.....	1.00 to 1.50
Cattleyas	.....	60.00 to 75.00	50.00 to 60.00	50.00 to 75.00
Dendrobium formosum	.....	.....	.....	.....
Lilies, Longiflorum	12.50 to 15.00	5.00 to 8.00	6.00 to 10.00	.....
Lilies, Speciosum	.....	.....	3.00 to 6.00	.....
Lily of the Valley	.....	4.00 to 6.00	6.00 to 8.00	.....
Snopdragon	3.00 to 7.00	2.00 to 4.00	.....	.....
Gladioli	3.00 to 5.00	1.00 to 4.00	1.00 to 3.00	1.00 to 4.00
Asters	1.00 to 3.00	.25 to 4.00	1.00 to 3.00	1.00 to 4.00
Chrysanthemums	.....	15.00 to 20.00	.40 to .50	.....
Sweet Peas	.....	.....	.....	.....
Marguerites	.....	.25 to 1.00	.....	.....
Gardenias	.....	.....	.....	.....
Adiantum	.....	.....	1.00 to 1.25	.75 to 1.25
Smilax	.....	19.00 to 28.00	15.00 to 20.00	10.00 to 15.00
Asparagus Plu. & Spren. (100 Bhs.)	25.00 to 35.00	25.00 to 35.00	25.00 to 35.00	35.00 to 50.00

Trade here has been pretty fair, taking it all through. The asters dominated the market and the choicer qualities have had a good sale, but there is a tremendous lot of low-grade stock and a great many of these are hard to dispose of at any price. Gladioli are still in moderate supply and of fair quality. The market could stand more good roses than it is getting. Still, the situation is not so serious, as the Beauties are gradually improving and the Russells are holding up well. Not much improvement in the Killarneys as yet.

Very few Ophelias or Sunbursts to be had and these, too, are greatly missed. There has been a slight improvement in business. The market has an over-supply of stock. Roses are coming in good in all varieties but white, which are very scarce. Lilies are plentiful. There are a few chrysanthemums on the market but the demand for them is small. Gladioli are in abundance. Varieties such as War, America, Francis King and Halley sell well. The smaller varieties drag.

(Continued on page 291)

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& First Class Market for all CUT FLOWERS
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FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
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Centrally Located, The Hub of the Flower Market Section

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ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the

BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.

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We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER MOON, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

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Phones: Farragut 558, 2036 and 2037

111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Sept. 1 1917		First Half of Week beginning Sept. 3 1917	
American Beauty, Special	12.00	10	30.00	
" " Fancy and Extra	8.00	10	12.00	
" " No. 1 and culls	.50	10	4.00	
Russell, Euler, Mock	.50	10	10.00	
Hadley	.50	10	6.00	
Arenberg, Hoosier Beauty	.50	10	4.00	
Ward	.25	10	3.00	
Killarney, Radiance, Taft	.25	10	3.00	
Ophelia, Sunburst, Hillingdon	.50	10	8.00	
Key	1.00	10	12.00	
Carnations	.50	10	1.00	

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WHOLESALE FLORISTS

129 West 28th Street

Tel 6237 / 3563 Farragut

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HERMAN WEISS

WHOLESALE FLORIST

Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

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TO THE

INTERESTED FLORIST — A Crisp Catalog — Its Yours for the Asking

We should like to send you a catalog telling you all about Supplies. Just drop a line to our Florist Supply Department.

PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street, PITTSBURGH, PA.

Flower Market Reports*(Continued from page 250)*

Stock of most varieties **ST. LOUIS** is plentiful except of carnations. Some extra fine roses are seen this week. School openings and theatre openings will, it is expected, help trade.

There was an increase in demand during the week for American Beauty roses and gladioli. Quite a number of the stores report the month running ahead of the same month of last year. Asters are very plentiful, with A1 stock finding a ready market, the poorer grades going as bunch stock at very low prices. The first of the new crop carnations are in but this is all that can be said of them. Dahlias are much improved with the arrival of cool nights. Roses continue scarce. Lilies are hanging fire. Lily of the valley is not to be had and its place is being taken by Sweetheart and Cecil Bruner roses.

Visitors' Register

New York—John Eiseman, of Penn's, Boston.

Camden, Me.—John Welsh Young, Philadelphia.

Rochester, N. Y.—Stephen Green, repr. H. Bayersdorfer & Co., Phila.

Washington, D. C.—S. Embrecht, New York; D. L. Darnell, Akron, Ohio; Julius Dilloff, New York.

Cincinnati—Milton Alexander, New York; Paul Berkowitz, repr. H. Bayersdorfer & Co., Philadelphia; M. A. Legander, repr. Randall's, Chicago.

Philadelphia—Chas. W. Felton, Buffalo, N. Y.; R. M. Holmes, Harrisburg, Pa.; H. A. Bunyard, Nitrate Co., New York City; W. A. Kennedy, Pollworth Co., Milwaukee, Wis.; Carl Hagenburger and wife, West Mentor, O.

Boston—C. W. Hoitt, Nashua, N. H.; Carl S. Faller, Manchester, N. H.; W. A. Manda, So. Orange, N. J.; F. R. Pierson, Tarrytown, N. Y.; Wm. Anderson, Lancaster, Mass.; William Falconer, Pittsburgh, Pa.; E. G. Hill, Richmond, Ind.; Frank Leith, Haverhill, Mass.; Joseph Wors, St. Louis, Mo.

Chicago—L. A. Noe, Madison, N. J.; Mr. and Mrs. Otto Lang, Dallas, Texas; Mr. and Mrs. Chas. Hewitt, Monmouth, Ill.; E. J. Barnes and family, Kansas City, Mo.; J. S. Bennett, Pau Pau, Mich.; Mr. and Mrs. C. G. Anderson, Lincoln, Ill.; Wm. Roepke of Roepke & Rieman Co., Indianapolis, Ind.; Edw. Gullett, Lincoln, Ill.; J. W. Ross, Centralia, Ill.; Mr. and Mrs. R. C. Kerr, Houston, Texas; Edw. West-

PATRICK WELCH, WHOLESALE FLORIST
262 DEVONSHIRE STREET, BOSTON, MASS.
 American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.
STORE OPEN FOR BUSINESS AT 6 A. M. TELEPHONE MAIN 2698.

J. K. ALLEN, WHOLESALE COMMISSION FLORIST
 Always Ready to Receive Consignments and Can Market Them Satisfactorily. Wanted Specially, Early Peonies, Gladioli, etc., for Spring Trade.
A Clean Record For Thirty Years
118 West 28th Street, - - - NEW YORK
 Telephones: 167 and 3058 Farragut

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Sept. 1 1917		First Half of Week beginning Sept. 3 1917	
Cattleyas	75.00	to 100.00	75.00	to 100.00
Dendrobium formosum	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum	3.00	to 4.00	3.00	to 4.00
Lilies, Speciosum	1.00	to 3.00	1.00	to 3.00
Lily of the Valley	4.00	to 6.00	4.00	to 8.00
Snopdragon	1.00	to 2.00	1.00	to 2.00
Gladioli	1.00	to 2.00	.50	to 1.00
Asters	.25	to 1.00	.25	to 1.00
Chrysanthemums	.....	to 25.00	.....	to 25.00
Sweet Peas	.15	to .50	.15	to .50
Marguerites	.25	to .50	.25	to .50
Gardenias	20.00	to 50.00	20.00	to 50.00
Adiantum	.25	to 1.00	.25	to 1.00
Smilax	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, & Spreu (100 bunches)	10.00	to 20.00	10.00	to 20.00

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We have a numerous clientage of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

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WHOLESALE FLORISTS
55-57 West 26th Street
 Telephones, 13-8510 Madison Square Consignments Solicited
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GUNTHER BROS.
 Wholesale Commission Florists
110 West 28th St., New York
 We Solicit Consignments of New England Grown Novelties.

man, St. Louis, Mo.; A. Rice, of Rice Bros., Minneapolis, Minn.

The seventh annual flower show at Spring Lake, N. J., was the best ever seen there. It was attended by the leading society folk from Seabright to Bayhead.

REED & KELLER
 122 West 25th St., New York
Florists' Supplies
 We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Decorative Glassware, Growers and Florists' Requisites

Beechwood Heights Nurseries
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 Cut Flowers of All the Leading Varieties in their Season.
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Bulbs of all descriptions. Write for prices.
NEW YORK BRANCH, 810 Bridge St.

CARNATIONS

Carnations. Field grown, excellent plants. Matchless, 5/6; White Enchantress, 5/6; Good Cheer, 6/6. Cash. CHAS. H. RICE, Lexington, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell.
Stock For Sale.
JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

HELP WANTED

SEEDSMEN AS ORDER CLERKS

Wanted, two young men with thorough experience in flower and vegetable seeds. Able to work on their own initiative. Firm is located in New York. Wages to start \$20 per week. State experience, age, and give reference. Applications will be considered strictly confidential. Address V. R., care HORTICULTURE, Boston.

WANTED: Two experienced gardeners to work on an estate near Buffalo. Wages \$2.00 per day with room. Meals furnished at 67 cents per day. Good place for the right men. Address "S. P.," care HORTICULTURE, Boston.

WANTED FOR NEW YORK FIRM

High-class seedsman correspondent. One who can intelligently take charge of large volume of mail, and who has a good knowledge of gardening. State experience, reference and salary required. Address V. Q., care HORTICULTURE, Boston.

WANTED: Competent man for position in the South as park keeper, gardener and greenhouse man. Salary about \$75.00 per month with dwelling house, etc. "H. D. W.," care HORTICULTURE.

SITUATIONS WANTED

SITUATION WANTED as Head Gardener or Superintendent on private place, by Englishman, 40, married, one child, life experience in vegetables, fruit, flowers, greenhouses, trees, shrubs, livestock and farm crops. Can furnish first-class testimonials. Address B. A., care HORTICULTURE.

SITUATION WANTED—Cornell graduate in Agriculture, experienced in greenhouse work and gardening, desires apprenticeship position in retail florist shop in New York, Boston, Cleveland or Washington. Address 20 Trowbridge Road, Worcester, Mass.

SITUATION WANTED: As foreman or manager on commercial, public or private place, now or later; have American and European practical experience growing and propagating all cut flowers, pot and bedding plants. Good in forcing Christmas and Easter stock; decorating, landscape gardening, laying out grounds, vegetable growing outside or under glass. German, married, no family; honest, sober and steady. Best of references. Please state particulars in first letter. Address "E. J.," 625 Ivy St., E. E. Pittsburgh, Pa.

GLASS

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 1815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

PEONIES

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

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Roses, Candas and Shrubs. THE CONARD & JONES COMPANY, West Grove, Pa.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & MURRELL, Summit, N. J.

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Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Hissarlik Nursery, New Rochelle, N. Y.

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FOR SALE OR TO LEASE—Established retail greenhouse business, located in centre of Newton's (Mass.) finest suburb. Well stocked for Fall and Winter trade. "J. W.," care HORTICULTURE, Boston.

FOR SALE—Four greenhouses, about 12,000 feet of glass, 10 miles from Boston. Address WM. CAPSTICK, Auburndale, Mass.

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Formerly Assistant to Director of the Royal Botanical Gardens, Copenhagen, Denmark. Latterly Twenty Years in American Forestry and Botanical Work.

Assisted by DR. H. T. FERNALD,

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Quality Fertilizers for Florists, Nurserymen, Seedsmen, etc.

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Bone, Steamed or Raw

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The unique monthly publication which furnishes reliable and interesting up-to-date information regarding the value of pecans and other edible nuts and how to grow them for profit.

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Sold by Seed Dealers and Used in New England 35 Years

Hammond Insecticides used by Florists and Gardeners for generations, and before this our paint was used on Hot Houses because it did not wash off. Twemlow's Putty is unexcelled.

Send for Pamphlets or information regarding your needs.

HAMMOND'S PAINT & SLUG SHOT WORKS

Beacon, N. Y., U. S. A.

OUR PRODUCTS SOLD BY SEED DEALERS

OBITUARY.

John Garvey.

Among the victims of a trolley car accident at Wellesley Hills, Mass., last Sunday, was John Garvey, a gardener, aged 55 years, of Watertown, who died shortly afterward at the Newton Hospital.

Alfred G. Gulley.

Prof. Alfred G. Gulley, for 23 years professor of horticulture at the Connecticut College of Agriculture, died suddenly August 16, of heart disease, aged 69 years. Prof. Gulley was born in Dearborn, Mich., and was a graduate of the Michigan Agricultural College. Previous to coming to Connecticut, he served four years as assistant in horticulture at the Michigan Agricultural College and for a year as horticulturist at the Vermont Experiment Station. He is survived by his wife and one son.

Miss Adelaide Kresken.

After an illness of two years duration Miss Adelaide Kresken died at her home in Clifton on Sunday, August 26. She was fifty-two years of age. Born in Kiefeld, Germany, in 1865, she emigrated to this country with her parents in 1869 when she was four years old. A year later Miss Kresken began to work in the retail flower store which her parents had established in Cincinnati. Largely through her untiring and conscientious efforts the store flourished and

became and has always been one of the most uniformly successful in this city. H. A. Kresken, her father and Laurence Kresken, survive.

NEWS NOTES.

Anaconda, Mont.—John W. Jackson has purchased the greenhouses and business of R. M. Greig.

Oneida, N. Y.—Mrs. C. H. Maynard, retiring secretary of the Ladies' S. A. F., sustained a fractured jaw and other painful injuries in a fall on the sidewalk caused by slipping on a banana peel.

Irondequoit, N. Y.—John Curtis, father of Charles Curtis, celebrated his eighty-third birthday with a lawn party at which forty-five guests were present. Mr. Curtis in his advanced age is very healthy and active in the greenhouse.

Milford, Mass.—In the great electrical storm of Wednesday, August 29, the home of Rodney Woodman, a young florist and market gardener, was struck by lightning and Mr. Woodman was knocked unconscious and remained so for several hours.

Green Island, N. Y.—Mr. and Mrs. Matthew C. Allison of Bluff Point, formerly of Green Island, will return here September 1 to reside at 138 George street. Mr. Allison has just finished a long career in the service of The Delaware and Hudson Company as florist on the Saratoga and Champlain divisions and has been pensioned. He was the first florist employed by the company and for many years had charge of the whole system.

NEW CORPORATIONS.

Milwaukee, Wis.—Baumgarten, Florists, capital stock \$10,000. Incorporators, Ida and Harold Baumgarten.

Media, Ill.—E. G. Lewis Seed Company, capital stock \$30,000. Incorporators, Edgar G. Lewis, S. N. and J. J. Mathers and Chas. R. Pendarvis.

New Canton, Ill.—Suy Island Seed Growers' Association, capital stock \$10,000. Incorporators, Walter Fox, C. T. Laird, W. H. Koeller, N. T. and Harry Nichols, Fred L. Rose and R. M. Atkinson.

BUSINESS TROUBLES.

Portland, Ore.—The Floral Studio. Liabilities \$2,000, and assets about \$500.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

FUNGINE

For mildew, rust and other blights affecting flowers, fruits and vegetables.

Quart, \$1.00; Gallon, \$2.50.

VERMINE

For eel worms, angle worms and other worms working in the soil.

Quart, \$1.00; Gallon, \$2.50.

SOLD BY DEALERS.

Aphine Manufacturing Co.

MADISON, N. J.



Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c.; Pint, 40c.; Quart, 75c.

1/2 Gallon, \$1.25; Gallon, \$2; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50.

Directions on package.

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For Spraying
APHIS PUNK
For Fumigating
Ask Your Dealer For N.
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Pot Makers for a
Century and a Half**HEWS****STRONG
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World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**FIRE PROTECTION**

A useful pamphlet "Safeguarding Industry," advising as to ways and means for preventing or controlling fire losses has been prepared for the Council of National Defense by the National Board of Fire Underwriters. The amount wasted in fires that were largely preventable in this country in 1916 is given as \$214,000,000, the principal cause being either ignorance or carelessness. From the lengthy list of general precautions advised we have selected the following as being especially applicable to greenhouse establishments, nursery packing sheds, etc., and would call them to the attention of our readers who own or operate such property, as worthy of attention now before the season of greatest hazard sets in:

Maintain good order and cleanliness. This is the first step toward effective fire prevention.

Give particular attention to the shipping and receiving rooms; prevent the accumulation of excess packing material and empty boxes.

Wherever excelsior, papers, straw or other combustible materials are used for packing, keep only a day's supply on hand at a time in a box or bin, lined with tin and provided with a counter-weighted door having a fusible link to insure automatic closing in case of fire. Burn under the boilers all such material as is past usefulness every day before closing.

Do not permit the accumulation of any waste combustible material near buildings, especially those of wooden construction. Shingles or other refuse from the building, waste papers, old lumber, and empty boxes are sometimes negligently allowed to accumulate in such places.

Keep dried grass, weeds and brush cleared away from buildings, since a locomotive spark, match or cigarette may ignite these and burn the building.

Keep the boiler room free from accumulations of combustible refuse.

Never place any combustible material on boilers, ovens or flues to dry.

Where steam pipes pass through or close to woodwork, install them so as to maintain a clear space between the two and prevent lint and light combustibles from accumulating there.

If the back of the hand cannot be held without discomfort in firm contact with wood work exposed to heat of flues, boiler settings or other heating devices, conditions are unsafe. Do not attempt to remedy by covering with metal, which simply transmits the heat and prevents the condition from being seen.

Soft coal, in piles, often heats spontaneously to the ignition point. Never imbed wooden posts in it but support any build-

ing on brick piers or fireproofed iron columns.

Provide good ventilation in any coal storage building to prevent accumulation of gas.

Lime, unless stored above the flood level of adjacent streams, tightly enclosed against rain, and protected from water from other sources, is dangerous because it will heat when it is wet; this heating has caused many fires.

Keep plastering and sheathing in repair so that nothing can be thrown into the hollow spaces behind.

Prohibit smoking on the premises. Steam jets are of value in suppressing fires in dry-rooms and other confined spaces; where used there should be ample boiler capacity behind them to insure volume of steam, with controlling valves located at readily accessible points.

Fire hydrants, whether public or private, should conform to the National Standard, with a barrel of not less than six (6") inches in diameter, and be fed from a service main of not less than of the same diameter forming a complete circuit of the system, without dead ends, meter connections or other obstructions to the free flow of water, and be located at a distance of not less than 50 feet from the buildings to be protected.

Hose connections or outlets should be of the National Standard pattern, unless the city outlets differ from it, in which event the outlets on private equipment should conform to the latter. Hose for use on hydrants and other devices supplying streams on the outside of buildings should be of not less than 2½-inch diameter, with nozzles of 1½-inch smooth bore pattern.

PATENTS GRANTED.

1,235,790. Garden hoe. Henrie W. Gates, Olalla, Wash.

1,236,812. Process of making fertilizer. Joseph E. Zilk, Sharpsburg, Pa.

1,235,813. Lawn and garden sprinkler. Chas. L. Kelso, Cle Elum, Wash.

1,235,906. Fertilizer composition. Jacob G. Lipman, New Brunswick, N. J.

1,236,629. Insect destroyer. Grover C. Tucker, Tuscaloosa, Ala., assignor to the Tucker Implement Co., Greensboro, Ala.

Le Roy, N. Y.—Alois King has sold his greenhouse business, together with real estate, buildings and equipment, to Raymond Preisach, of Buffalo, and his brother, George Preisach, of Corfu. The purchasers, who are experienced florists, have taken possession of the business and Raymond Preisach will move his family here from Buffalo about September 1.

Mr. King came to Le Roy from Hornell four years ago, purchasing the Walter greenhouse business. On account of Mr. King's health a change of climate was necessary and his family leave the latter part of this month for Gainesville, Texas, where they expect to engage in the same line of business.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Haitland, Mo.—Linville & Davis, one house.

Los Angeles, Cal. F. R. Hills, one house.

Pendleton, Ore.—J. N. Hooker, one house.

Moscow, Idaho.—Scott Bros., house 35x125.

Ansonia, Conn.—Daisy Hill Gardens, house 14x55.

Richmond, Va.—Forest Hill Gardens, Lord & Burnham house.

Oakland, Me.—William N. Savage, Swans Hill, house 30x150.

Rochester, N. Y.—B. J. Buelte, 130 Ravenwood avenue, one house.

Germantown, Pa. M. W. Taylor, 5722 Green street, house 15x40.

Columbus, Neb.—Will A. Goodwin, 17th and Wheeler streets, house 30x70.

Baltimore, Md.—P. C. Erdman, Taylor avenue, three houses, each 28x150.

New Haven, Ct.—Herbert Barnes, Quinnipiac avenue, one house, completed.

Springfield, O.—L. M. Frankenberg, two houses, each 21x156, completed. B. C. Blake, one house.

Providence, R. I.—Frank E. Saunders, 638 Public street, one house. A. A. Kupfer & Son, 234 Potter avenue, additions and alterations.

Madison, N. J.—The new chimney on the Noe & Ruzicka place is well under way. It will be 100 ft. high, of the yellow brick type and will care for two 225 H. P. boilers used to heat the place. These comprise the new central heating plant installed this summer.

JACOBS GREENHOUSES BUILT TO LAST

Substantially constructed for service.
Judiciously designed for results
& maximum plant growing efficiency
Speedily and economically erected.

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Prices
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King GREENHOUSES SEND FOR BOOK

King Construction Co.
NORTH TONAWANDA, N.Y.

**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

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FOLEY GREENHOUSES



Are properly designed, durable and a source of great satisfaction to their owners.

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GREENHOUSES—ALL KINDS

We go anywhere in the U. S. to submit plans and prices

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Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

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On Ventilating Apparatus and Greenhouse Fittings
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For Greenhouse Glazing
USE IT NOW

F.O. PIERCE CO.

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NEW YORK

MASTICA is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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DREER'S

FLORIST SPECIALTIES
New Brand New Style
"RIVERTON" HOSE

Furnished in lengths up to 400 ft. without seam or joint.

The HOSE for the FLORIST

3/4-inch, per ft., 17 c.
Reel of 500 ft., " 16 1/2 c.
2 Reels, 1000 ft., " 16 c.
1/2-inch, " 15 c.
Reels, 500 ft., " 14 1/2 c.

Couplings furnished

HENRY A. DREER
714-716 Chestnut St.,
PHILADELPHIA, PA.

GULF CYPRESS

Greenhouse Materials

Pecky Cypress Bench Lumber



GLASS

GULF CYPRESS

HOT BED SASH

ALL KINDS AND SIZES

Unglazed—85c. up

Glazed—\$2.05 up.



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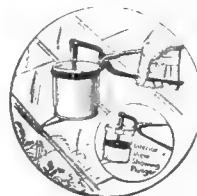
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Will last a lifetime,
\$1.25 each

"SEAL TIGHT
LIQUID PUTTY"

will not harden,
crack or peel off.
\$1.35 per gallon in
10 gallon lots.

\$1.40 per single
gallon



HOSE

Non-Kink Woven

In any length (one piece) with
couplings, 14c. per foot. Un-
equalled at the price.



HOSE VALVE 75c

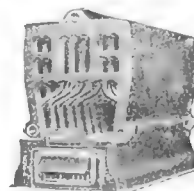
All brass except the hand
wheel. Has a removable
leather disk which is easily
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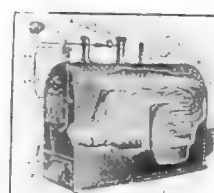
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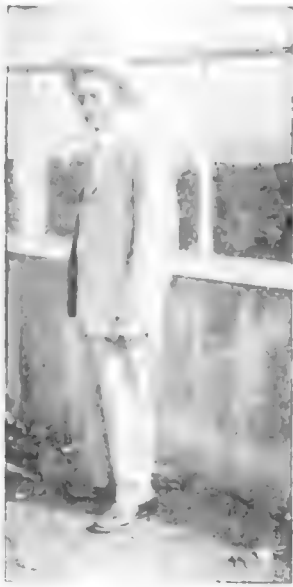
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Vol. XXVI
No. 11
SEPT. 15
1917

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Syringing

If the plants are free from red spider as they should be it will be necessary to syringe more than once a week to keep them clean. With the days already much shorter it will be necessary to start as early in the morning as possible in order to be done before noon. The day chosen for the work should be a clear one and the houses to be syringed will be better off if they had been watered the day before. By no means should they be dry as the plants would be sure to burn. Syringe as rapidly as possible taking care to hit all plants, especially the lower leaves, as it is here that spider will start as a rule. It is also well to be especially careful around all corners and braces, also where the hose ends meet, half way between faucets. Hose should be long enough so there will be no danger of a nest here. Any steam pipe passing bench end from overhead should be wrapped to keep the heat from the plants right near it. Ordinary newspaper will do and this in turn can be wrapped with red resin building paper to make a neater looking job. Wrapping these pipes this way will also help to keep spider from starting there. If there are any places where there is a little spider, these should be marked and all such places should be given an extra dose of water properly placed. Use plenty of pressure, yet not so much to tear the leaves. Syringe so as to throw the spent water into the walks as much as possible, and not on to the bench. It will also be well to syringe as much of the bench as possible from the back, syringing only the first and part of second row from the front, holding the nozzle so that the water will not go to the back very much. In wide houses always syringe the back benches first so they will have a chance to dry. The front benches will always dry off faster.

Shaking Plants After Syringing

As soon as the plants are syringed the helper should follow at once and shake the plants free of as much water as is possible by this method. This especially applies to Beauties, and if the work is done soon enough they will not take long to dry off. With Teas a short stick can be used to tap the stakes. This work can be done very quickly and it is surprising how much water can be taken off by a slight shaking.

Keep the Houses Warm Enough

It has been a remarkably cool summer here "out west" and we have prospects of an early frost. The thermometer will have gone down to 50 or less every night for the last two weeks. This means steam is necessary, as no house should go below 64 nights with plenty of air on. Growers cannot be too careful in this matter, as the roses can suffer a severe check and may get a dose of mildew if they are not kept warm enough. Keep a pipe of steam around the houses on wet chilly days with air on all the time, not keeping the houses above 68 if possible. Never even for one night should the houses be allowed to get cold. Have the right man right on the job, as it will be warm in

the evening and then turn cold suddenly toward morning. A little sulphur on pipes will kill any mildew that may be starting.

Drainage

Winter will soon be here so get right after the drainage system if it has not been taken care of yet. See that all catch basins are clean, all ditches open, no drain tile stopped up—this outside as well as in the houses and cellars. See that all open tile are properly protected by screens to keep out Mr. Muskrat or other animal which might choose the tile for a home, making a nice compact nest in it somewhere just out of reach of the longest rod on the place. This will save a great deal of annoyance by keeping out animals and loose leaves and matter floating with the water when this begins to run.

Rush the Boiler Repairs

If the boilers are not in shape it will be necessary to rush this work in order to have all in good shape when they are called on to work. Iron will not be cheaper for a long time to come, so all parts needed should be bought at once regardless of price. Everything depends on the heating system and this should be in first-class shape. See that all flues are tight and joints, elbows and connections to smokestacks, so no draft is lost. See that all dampers work properly so heat is not wasted and boiler can be controlled easily. See that all ash pits are deep enough to take all ashes for a day without banking up against the grates. It is a man-killing job to have to remove ashes every time a fire is cleaned. Have the ash pit deep enough to hold ashes for twenty-four hours without coming within a foot of the grates. Have sides of pit slope so ashes are easily removed with a long handled shovel.

The Flower Pots

If time will at all permit try to have all the pots washed up and put away properly so they will be ready to use when needed. A small pot washer such as advertised in HORTICULTURE or a home-made affair driven by electric motor or small gas engine will make quick work of washing the pots if they can be allowed to soak for some time to soften the scum and dirt. Wash them inside and out being careful to clean them especially well on the inside right near the top. Should these remain the least trace of scum about the level of the soil it will quickly spread as soon as anything is set in the pot and the scum has something to work on. If pond, brook or river water is used for watering this scum would spread all the faster. Wash the pots well and store properly in racks keeping the different sizes separate ready to be used. Locate all racks where they are easy to get to so that it will not be a week's work to get the pots when they are needed.

Supply of Plant Food

See that there is enough tankage and bone and other fertilizers used on hand now. The fall and early winter is the time to use such plant foods as tankage, blood and bone, bonemeal, etc. Use as much of these as is safe and do not mulch too heavy, and then toward spring reverse the operation unless the plants are to be run another year and then use bone, tankage and plenty of mulch, too, otherwise plenty of mulch and liquid manure, saving the bone and the tankage for young plants and plants cut back later. The railroads are very busy and will be busier as time goes on, which will mean that deliveries will be slow, so get the orders in now.

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"Publicity" gets another boost

It was an animated and enlightening debate that the New York Florists' Club indulged in on last Monday night when the subject of national publicity for the florist business was brought up,—enlightening because of the freedom with which it was discussed and the frankly divergent views that were uncovered as to the scope of the movement, the attitude which the club should assume and the extent to which it should participate financially in the proposed campaign. Wisdom was shown in the decision finally to hold up for a month action on the question of a club subscription to the fund, for while prompt and energetic action now is needed to maintain the proper enthusiasm yet it is well that nothing shall be done which later on might be open to criticism as having been hasty and ill-advised. The New York Club naturally holds a position of leadership among organizations of its kind and whatever it may do in a matter of such universal moment should and will have a potent and country-

wide influence. An interesting and timely communication from the Publicity Finance Committee will be found in this issue of Horticulture.

A serious situation

The coal problem does not appear to be any nearer solution than it was several weeks ago. Many greenhouse bins are still empty or nearly so and the question of securing even a partial supply now over-tops that of price. The cold wave of the past week comes as an acute and painful reminder of the near approach of the time when the fires must be kept up to full speed, and we are not surprised at the alarm manifested by greenhouse men whose coal supply ordered weeks or even months ago has not yet begun to materialize. Here is where the flower grower once more is in danger of running up against the "luxury" discrimination, for the destination of every car of coal must now be accounted for to the Government agents and the mandate regarding its distribution is first, Government; second, home; third, necessities.

The Holland bulb situation

The question of whether or not it would be possible to import flowering bulbs from Holland this season is one which has caused both florists and seedsmen much anxiety. The Holland-American Steamship Line had cancelled all its sailings last February and as our readers will no doubt remember there were no boats to carry the thousands of cases of nursery stock usually shipped from Rotterdam in March and as a result many cases of these goods remain, now worthless, on the docks in Rotterdam. Notwithstanding this condition of transportation, the salesmen of the Holland bulb growers many of whom had previously arrived in this country and being unwilling to lose their export trade, already seriously reduced by the cutting of the German and English markets, eagerly booked all the orders obtainable, hoping to find means of transportation to this country for their bulbs either by prevailing upon the Holland-American Line to send special steamers with bulb cargoes or, failing this, making shipment by way of Norway. In June, the Holland bulb growers informed their customers here, that such special steamers would be despatched from Rotterdam, safe passage having been promised by the German government on condition that the steamers should not call at any port in Great Britain, but permitting examination by the British authorities at Halifax instead, to which condition the British government consented. Early in August information came that the S. S. Waaldyk would sail on the 25th of that month with bulbs. On August 30th notices appeared in several daily papers that the government of Holland had placed an embargo on the export of all bulbs. Subsequent advices informed us however that this embargo applies only to exports of bulbs for feeding cattle for which it is stated that hundreds of tons were used in Germany last year, and not to bulbs to be exported to this country and Scandinavia for flowering purposes. Many conflicting reports have reached us but as we mentioned briefly last week we have assurance that at least one steamer, the Waaldyk, is now well out in the Atlantic with a cargo of 26,000 cases of bulbs, the Holland-America office in New York having received a cablegram that she actually sailed on Saturday, September 8, and in view of the route that she would have to follow it is figured that the steamer may be expected to arrive in New York about September 24.

A NEW HARDY DWARF HEDGE PLANT.

Were you to ask the gardener, florist, nurseryman, landscape architect, park superintendent, or the well versed amateur, what was the most needed hardy plant for northern gardens today, the general answer would be to the effect that it was a dwarf hardy shrub suitable for low edge or hedge purposes—a shrub that would acceptably take the place of the border-box and fill an even wider field of usefulness. Attempts to keep them down to the required size for low formal effects, various privets, euonymus, barberry, etc., have been only partially satisfactory, owing largely to the peculiar limitations of the plants themselves.

Happenings in horticulture are often of great importance. Nature no doubt puts before our eyes now and then rare natural variations from the commoner types that go unnoticed, which if duly appreciated would materially advance our horticulture. It is the discernment of the occasional sensitive mind that has brought to light and to wide usefulness many of the standard plants of today. It is the garden lover's privilege to be ever on the watch for something new that may be better than present forms.

When, some fifteen years ago, among a bed of many thousand Japan Barberry seedlings, a tiny plant appeared which, as the first season advanced, looked so different from its comrades as to attract the nurseryman's attention by its tiny, dainty, dark green leaves and its very short internodes, it would demand a stretch of the imagination to have grasped the fact that in the birth of that little plant, as years went on, horticultural limitations would be widened and that through the skill of the propagator and the realized vision of the garden builder, the time would soon come when the name of this once tiny plant would become familiar and its usefulness availed of over a large part of the world's temperate zone.

This, in brief, is the history and the prophecy of the new Box Barberry, stock of which is for the first time offered for propagating purposes in this issue of HORTICULTURE. In the spring of 1919 it will be introduced to the general public. Plants one year old from either hard or soft wood cuttings can be produced which are amply sizeable for edge purposes. It is probable that plants should be grown one year in nursery rows, however, to produce the class of plants which will be most in demand for low hedge purposes.

An old nurseryman propagator of national reputation says of this novelty:

AZALEAS AT EUREKA, CAL.



A bench of Azalea Mme. Petrick on own roots, American grown. 25,000 plants on the bench.



A recent importation of Azalea coccinea for growing grafted stock.

"No one plant has made its appearance in years which bids fair to be more universally useful than this Box Barberry." Another: "The whole country has been a long time waiting for this very plant." Still another: "Had we been able to furnish this plant for the many demands for a garden edge or a low hedge this last spring, it would have been a God-send to us."

SOLANUM "CLEVELAND."

This new dwarf Jerusalem Cherry, raised by Carl Hagenburger and now offered to the trade for the first time, will prove a very acceptable Christmas berried plant that can be easily grown and sold at a moderate price. As shown in the picture accompanying the advertisement Cleveland is prolific in fruit and makes a neat and very compact pot plant. It received a certificate of merit at Cleveland last fall.

NARCISSUS NATURALIZED IN THE GRASS.

Our cover illustration shows how effectively the yellow trumpet narcissus adapts itself to a wild condition, thriving under oaks and among the spruces and hemlocks. The picture was taken on the Bayard Thayer estate at South Lancaster, Mass., where this lovely view is repeated annually every spring.

A RECORD PEONY SALE.

The largest peony sale yet heard from has just been made by J. F. Rosenfield, who has sold his peony garden of twenty-five acres for \$40,000. I wrote to ask him whether he was now going to take to the rocking chair or keep on, and here is his answer:

Omaha, Neb., August 25, 1917.
Dear Mr. Harrison.

Yes, I have sold out my peony farm here, but have reserved 15,000 peony plants for my future use. Part of these will be sold here this fall as I stay on the place and do business until November 1st. Will sell only at retail prices. I may start up a smaller place somewhere and sell fancy varieties but will not carry on a wholesale business any more. The new owner will carry on a cut flower business and will also put on the place \$30,000 worth of green-houses.

Now my dear friend, I am not going to "take to the rocking chair." I consider myself young yet; only 62. You just watch me in the future. I cannot get peonies out of my mind.

Yours respectfully,
J. F. ROSENFELD.

When T. C. Thurlow sold his collection for \$7,000 we all wondered, but it was a small affair compared with \$40,000.

C. S. HARRISON.

The New York Sun of Sunday, September 2, devoted the best part of a page to the history and merits of the peony as a garden flower with some excellent illustrations.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The opening meeting of this club for the new season, held on Monday night, September 10, was an unprecedentedly large and lively gathering for September, there being not far from one hundred and fifty members present and these largely comprising the most prominent and active men in the trade. The inspiring effect of the recent national convention was meeting and in the character of the plainly evident in this enthusiastic proceedings. There was a remarkable group of exhibits on the show tables, most sensational among these being the big display of plants and bulbs sent by C. W. Ward from Eureka, Cal. These comprised "Dutch" hyacinths, tulips of various classes, narcissi in the leading forcing kinds, crocuses, rhododendrons, azaleas, boxwoods, retenosporas, etc., all of which things we have been accustomed to get from abroad. So far as can be judged by appearance, Mr. Ward has fully demonstrated the practicability of home production of all these specialties. In quality as shown they were all very fine. Cost of production, freight, and qualities under forcing conditions have yet to be ascertained but Mr. Ward has certainly conferred an inestimable boon on the American trade in what he has been able to accomplish thus far and the outlook is most encouraging.

Much interest was taken in a seedling dahlia of entirely new type shown by W. A. Manda as No. 1,000. The flowers, glowing crimson in color, are enormous, eight to ten inches across, while the plants run not over two feet in height, wide spreading and the flowers set close down on the massive foliage, no staking being required. A cultural certificate was awarded. The new rose Columbia, shown by C. H. Totty, also came in for much admiring attention. Dahlias in many colors and zinnias were nicely shown by W. A. Finger, of Hicksville, and Victor Zuber & Son, of Whitestone, were also represented by a fine set of dahlias. The soft pink dahlia Elsie Burgess was especially admired in the Finger display. Several large exhibits from New England growers were expected but were delayed in transportation. Mr. Manda invited the committee and such of the members as should choose to go to South Orange and see his dahlia as growing there.

After several convention committees had presented their reports and had been duly thanked, a considerable portion of the evening was devoted to a discussion of the business publicity movement and the practical campaign tentatively inaugurated at the S. A. F. convention. There were some "red-hot" speeches, several personal subscriptions to the fund already started were handed in and a proposition to immediately appropriate the sum of five hundred or even

MEETINGS NEXT WEEK.

Monday, Sept. 17.

Detroit Florists' Club, Bomb Floral Hall, Detroit, Mich.
Houston Florists' Club, Chamber of Commerce Rooms, Houston, Tex.
New Jersey Horticultural Society, Orange, N. J.

Tuesday, Sept. 18

Gardeners' and Florists' Club of Boston, Horticultural Hall, Boston, Mass.
Gardeners' and Florists' Club of Ontario, St. George's Hall, Toronto, Can.
Minnesota State Florists' Association, Minneapolis, Minn.
Pennsylvania Horticultural Society, Horticultural Hall, Philadelphia, Pa.

Wednesday, Sept. 19

Rhode Island Horticultural Society, Public Library, Providence, R. I.
Tarrytown Horticultural Society, Tarrytown, N. Y.

Thursday, Sept. 20

Essex County Florists' Club, Krueger Auditorium, Newark, N. J.
New Orleans Horticultural Society, Association of Commerce Bldg., New Orleans, La.
North Westchester County Horticultural Society, Mt. Kisco, N. Y.
Tacoma Florists' Association, Macabee Hall, Tacoma, Wash.

Friday, Sept. 21

North Shore Horticultural Society, Manchester, Mass.

Saturday, Sept. 22

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.

one thousand dollars from the club treasury was warmly supported by several. Calm counsel prevailed, however, and the whole subject was left open for a month's consideration. Charles H. Totty, president-elect of the S. A. F., was called upon for a speech and his optimistic words were received with warm approval. Favorable action was taken for a ladies' night in the near future under the direction of the house committee.

Much of the pleasure of the members, more especially those who are not smokers, at the meetings of the New York Florists' Club is spoiled by the almost insufferable conditions of smoke-laden air in the badly ventilated hall in which the meetings are held. The room is very inadequate for a gathering of the size of that here described and burning eyes and vocal chords are the penalty that many members have to pay.

HORTICULTURAL SOCIETY OF NEW YORK.

This society will hold a Dahlia Exhibition on Saturday and Sunday, September 22nd and 23rd, in the Museum building, New York Botanical Garden, Bronx Park. The exhibition is open free to the public on Saturday from 2 to 5 and on Sunday from 10 to 5. Schedules are now ready for distribution and may be had by addressing the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City.

GEORGE V. NASH, Secy.

STAMFORD (CONN.) HORTICULTURAL SOCIETY.

The regular monthly meeting held on Sept. 7th was well attended. There was a large number of exhibits and chief amongst the awards was a cultural certificate to Anthon Pederson for a new Tomato named "Stamford Beauty." This variety has already won two certificates of merit, and seems to possess all the fine points that go to make up a first-class exhibition or culinary tomato. Other awards were as follows:—Adolph Alius for Begonia "Miss Laing," James Foster for collection of vegetables, A. Whitlau for "Marvin" melon, Alex Geddes for onion "Ailsa Craig," and pear "Clapp's Favourite" shown by A. V. Carver, were all highly commended. The following received a vote of thanks:—A. Pederson for Al-lamanda Hendersonii, A. Alius for everbearing raspberry, Michael Smith for collection of roses, A. Wynne for collection of phlox, and the Quality Seed Store of Stamford for an exhibit of ornamental vases and pans for plants. First Fall Show to be held Nov. 2 and 3 gives promise of being a great success, and the show committee were able to announce that Messrs. J. H. Troy of New Rochelle, Wallace R. Peirson of Cromwell, and William Scott of Elmsford, had consented to act as judges. Mr. A. Wynne read an instructive paper on Snapdragons, and it was evident that this capable grower had given the members the benefit of his long experience in the cultivation of these flowers. He was followed by Mr. Bartlett who gave a very interesting talk on "Native and Foreign Nuts" with a brief outline of what the Northern Nut-growers Association is doing in this section of the country towards the raising of profitable nuts of the different varieties. The question box was well patronized and brought forth some interesting discussions on the various topics. At the next meeting, Oct. 5th, Mr. Foster will read a paper on Mushrooms.

W. A. KING, Cor. Secy.

CLUB AND SOCIETY NOTES.

The Auburn Rose Association has been formed at a meeting of a group of enthusiastic rose growers held in the Chamber of Commerce rooms at Auburn, N. Y.

The second annual Sayville, N. Y., flower and vegetable show, which was held on Aug. 29-30, under the auspices of the Sayville Garden Club, in St. Lawrence's Auditorium, was largely attended by the people from Babylon, Bayshore, Islip, Bayport, Bluepoint, Patchogue and Bellport, and was a success in all respects.

NATIONAL CAMPAIGN FOR PUBLICITY FOR FLOWERS INAGURATED BY THE S. A. F. & O. H.

The following letter to members of the Society is being sent out jointly by the Publicity Finance Committee and the Publicity Committee, through Secretary John Young:

Dear Fellow Member:

As a member of the Society of American Florists and Ornamental Horticulturists, you *must* be greatly interested in the proposed Advertising Campaign that was so enthusiastically received and adopted at the recent convention of our great organization.

Many times we have been asked, "What does the S. A. F. & O. H. do for me?"

There is no desire on the part of the officers to assume a paternal attitude toward its members; service has been and will continue to be the greatest object of this organization.

The coming Campaign will, without doubt, create a tremendously increased demand for flowers, and it is but one of the many benefits your organization proposes and will give to you.

You, of course, have read in the trade papers of the enthusiasm manifested at this meeting, and we are sure you want to do your part in this great National Campaign to Popularize Flowers.

Flowers have never received the consideration at the hands of the public that they should have; the public has never been educated as to the value and necessity of flowers.

Here is a well defined Campaign, one that requires the comparatively insignificant sum of fifty thousand dollars a year for a period of four years. We say "insignificant sum" as a matter of comparison, for when we consider the advertising appropriations of some of the large organizations, such as the Overland car, the Victrola, and the Unedea biscuit, that run into millions each year, this is but a modest effort.

What better use can you make of your money than to subscribe a sum that you consider right towards this great Campaign? The S. A. F. & O. H. will contribute five to ten thousand dollars a year as their share. This is where a part of your money will go, and we ask you to co-operate, and to subscribe a sum that you consider consistent with the business you do.

Please understand that in making your subscription you are making it for four years. For instance, if you give one hundred a year for four years your subscription is four hundred dollars. Your National organization is satisfied that no eight hundred dollars that you could spend in any form of advertising will yield you anywhere near the returns that your co-operation in this great National Campaign will yield.

All forms of publicity will be at your command. If you need engraved invitations for your opening, this bureau or department of your organization will supply the very last word in dignified salesmanship at a cost lower than you could purchase the

Coming Exhibitions

Sept. 19 and 20, New Haven, Conn.—Annual Dahlia show of the New Haven County Hort. Society. W. C. McIntosh, 925 Howard ave., sec'y.

Sept. 21 and 22, Oct. 4 and 5, San Francisco, Cal.—Shows of the California Dahlia Society. Newell F. Vanderbilt, Sec'y, 725 Fifth street, San Rafael, Cal.

Sept. 22 and 23, New York.—Dahlia exhibition of the N. Y. Hort. Society at Bronx Park. Geo. V. Nash, secretary.

Sept. 24, Davis, Cal.—Seed show, by the University of California. Address B. A. Madsen, assistant professor of Agronomy, University of Cal. Farm, Davis.

Sept. 25 to 27, New York City.—Joint Dahlia exhibit of the American Dahlia Society and the American Institute at Engineering Society's Bldg., 25-33 W. 39th street. Also Chrysanthemum exhibit of the Amer. Inst., Nov. 7 to 9, at same building. W. A. Eagleson, 324 W. 23rd street.

Sept. 28 and 29, Sewickley, Pa.—Annual Fall exhibition, Sewickley Hort. Society. John Carman, Sec'y, Sewickley.

Oct. 1, Boston, Mass.—Mass. Hort. Society fruit exhibition, Hort. Hall; Wm. P. Rich, Sec'y.

Nov. 15 and 16, Providence, R. I.—Rhode Island Hort. Society flower, fruit, and vegetable show. Ernest K. Thomas, Sec'y, P. O. Box 180, Kingston, R. I.

original plates. If you want seals and stamps for different occasions, these may be had, from the best known processes, at a cost that you would pay for the drawings were you having them done yourself. If you have the opportunity to use window cards and posters of large size these will be furnished by your organization at a price that barely covers cost.

Cuts of all types and kinds may be had at a figure that you would have to pay for the photographs alone. Dealers' helps of every sort are at the command of every subscriber to this fund. Here is an opportunity to help yourself. The Campaign is built on a big, broad plan that is designed to and will do more to help you than anything you have ever considered.

The trade papers will publish the names of all those who subscribe to this fund. Don't be a "slacker"! Keep up in the front row, as an up-to-the-minute business man who believes in his products and in his organization!

We could continue indefinitely as to the benefits that you will derive, but it is only necessary for us to refer you to the trade papers for their opinion as to the value of this coming campaign. Every bit of this plan service is at your command. The highest and best trained organization in the country will contribute to this, but we must have the co-operation of our members and we ask you to sign the enclosed blank and return it *at once* to the office of the National Secretary.

You have seen the success of the National Flower Show; these successes

have been made out of judicious advertising. The same organizations and the same committee that have made these a conspicuous success will contribute and co-operate with the Publicity Committee for the success of the plan that has been described in detail in the trade papers. Local committees from each city and each florists' organization will be appointed at once.

Sign and return the enclosed blank now—help us to help you.

Publicity Finance Committee—George Asmus chairman, Herman P. Knoble, F. L. Atkins, Wallace R. Pier-son, John Young.

Publicity Committee—W. F. Therkildson chairman, Guy W. French, E. P. Tracey, Joseph Heacock, Thomas H. Joy.

JOHN YOUNG, Sec'y.

BOSTON DAHLIA SHOW.

Dahlias and other garden flowers, fruit and vegetables, filled Horticultural Hall, Boston, on Saturday and Sunday, September 8 and 9. It was a free show, and well attended by the public. J. K. Alexander was the most extensive exhibitor, being represented by several thousand blooms finely arranged, also a fine display of gladioli. Forbes & Keith also had an elegant dahlia showing as did Fottler, Fiske, Rawson and others. The awards in the flower classes were as follows:

Dahlias—twelve Show and Fancy: 1st, J. K. Alexander; 2nd, Forbes & Keith. Cactus: 1st, J. K. Alexander; 2nd, W. D. Hathaway. Decorative: 1st, W. D. Hathaway; 2nd, J. K. Alexander. Peony flowered: 1st, J. K. Alexander; 2nd, W. D. Hathaway. Pompon: 1st, J. K. Alexander; 2nd, W. D. Hathaway. Single: 1st, J. K. Alexander. Largest and best collection: 1st, J. K. Alexander; 2nd, Forbes & Keith. Hardy herbaceous flowers: 1st, Faulkner Farm. Collection of wild plants, labeled: Mrs. F. C. Upham.

Silver Medal: Boston Cut Flower Co., artistic display of Dahlias and other flowers for home decoration.

First Class Certificate of Merit: Thomas Cogger, Gladioli Mrs. Keur.

Honorable Mention: G. B. Gill, seedling Decorative Dahlia Fitzhugh; Old Town Nurseries, collection of seedling Gladioli; J. K. Alexander, collection of Colossal Dahlias; Fottler, Fiske, Rawson Co., Gladioli and Dahlias; Mrs. Henry Lyman, Prize Winner Bean.

Vote of Thanks: H. E. Meader, Gladioli. Gratuities: G. B. Gill, seedling Dahlias; J. K. Alexander, Gladioli; Raymond W. Swett, Gladioli; Thomas Cogger, Gladioli; Wrentham Dahlia Gardens, Gladioli.

ROCHESTER FLOWER SHOW.

Following our general account of the Rochester Flower Show we have the following list of the winners of prizes for flowers, plants and decorations:

H. E. Wilson won 1st prize for collection of palms, specimen palm, basket of plants, hanging basket, vase of plants, porch box, 12 Key roses, 25 white and 25 pink carnations, bouquet of roses, 24-inch basket; 2nd on Sunburst roses, white roses, gladioli yellow, asters white branching, bridal bouquet, vase of flowers, table decoration and corsage bouquet. George T. Boucher was 1st on 12 American Beauty, Sunburst, any white and any pink roses, horseshoe of flowers, bridal bouquet, basket of flowers, table decoration and corsage bouquet; 2nd on Key roses, bouquet of roses and flat basket. On flat bouquet of roses pre-

minums were divided equally between Geo. T. Boucher and H. C. Wilson.

C. W. Curtis, 1st and 2nd on white gladioli, 1st on bluish and red and basket of flowers. N. A. Hallauer 1st for yellow gladioli, blue gladioli, general collector of gladioli. Jacob Thomann & Son, 1st for pink gladioli, red gladioli, white branching aster, vase of flowers, 2nd for crimson asters and horseshoe of flowers. L. J. Bryant, Newark, 2nd on blue gladioli, cactus dahlias, also sixteen 1sts on corn and dried seeds. Munsell & Harvey, Ashtabula, O., sent 24 vases of gladioli.

A NEW MELON.

The luscious specimen shown in the accompanying picture is the result of a cross between Sutton's Emerald Gem and Sutton's Scarlet, raised by J. W. Smith, superintendent on the estate of Mr. F. E. Lewis at Ridge-



field, Conn. The flesh of this variety is pale scarlet and the skin finely netted and yellow when ripe and the fruit has a fine rich flavor. The specimen shown weighed 11¼ pounds. It should prove a decided acquisition as a greenhouse melon.

L. H. BAILEY BACK FROM THE ORIENT.

Dr. Liberty Hyde Bailey, former director of the New York State College of Agriculture at Cornell University has returned to his home in Ithaca after a seven months' trip in the Orient. He was extended a warm welcome by the horticultural and agricultural experts of the Chinese, Japanese and Korean universities. He was accompanied on the trip by Mrs. Bailey and their daughter, Miss Ethel Bailey. Their trip was uneventful, Dr. Bailey said, except for one accident of minor importance—the beaching of the steamship on which he and the members of his party were journeying, on the shoals near Shanghai, China. The passengers and members of the crew were removed to the shore in lifeboats without accident.

Obituary

Henry Gaertner.

Henry Gaertner, a retired florist, died suddenly on Sunday, September 2, in the United Hospital, at Port Chester, N. Y. He was born in Manhattan fifty-four years ago.

Mrs. Sarah E. Purdy.

Mrs. Sarah Elizabeth Purdy, 76 years old, widow of Stephen Purdy, a landscape gardener, died on Wednesday, August 29, at her home, 129 Dresden street, Brooklyn, N. Y.

William R. Siebrecht.

William R. Siebrecht, of the Siebrecht retail flower store at Madison avenue and Seventy-third street, New York City, died suddenly from heart disease, September 4th, at the home of his father, H. A. Siebrecht, New Rochelle, aged 43 years. He is survived by his wife and two daughters.

Fred A. Anderson.

Fred A. Anderson, 22 years old, an employee of H. F. A. Lange, florist, Worcester, Mass., was almost instantly killed on Sunday evening, September 9, by being crushed against a street railway post by a skidding touring car. Mr. Anderson was standing on the curb waiting for a car, to go home.

Mrs. Arthur Schutz.

Mrs. Arthur Schutz, of Hammond, Ind., passed away Sept. 1st in Chicago, where she has been seriously ill for some time, and it has been known for several months that there was no hope for her recovery. Mr. Schutz, who has a retail flower store in Hammond, Ind., was with her at the last and accompanied the remains to Hammond where the funeral took place on Wednesday. A large number of floral offerings were sent by the trade of Chicago and others.

Charles H. Rea.

Charles H. Rea, aged fifty-one years, died in Norwood, Mass., on Aug. 29. Mr. Rea was originally one of the firm of Rea Bros., of Norwood, now conducted by F. J. Rea, but owing to sickness gave up activity in that line about fifteen years ago. He was born in England in 1866. He first worked for Peter McKellar, then for Beckwith, both of London, and afterwards served four years as apprentice to Thos. S. Ware. He came over here about 28 years ago.

R. R. Stoutenborough.

Russell R. Stoutenborough, a leading retail florist and prominent in fraternal circles in Paterson, N. J., where he was a life-long resident, died Sunday, September 9, at his home, No. 44 Prince street, that city, in his fortieth year. He was the son of the late Mr. and Mrs. Alfred Stoutenborough, widely known early residents of Paterson. He leaves his wife

and one daughter, also two brothers, John A. and Charles H. Stoutenborough, all of Paterson.

Alexander McAllister.

Alexander McAllister, retired florist, died Friday afternoon, Sept. 7, at his home in Passaic, N. J., after an illness of several months, in his seventy-first year. He was born and educated in Jersey City and gained the distinction of being the first boy who ever walked through the Erie Railroad tunnel in Jersey City. He moved to Passaic twenty-five years ago and became a retail florist. He leaves his wife and one daughter, Mrs. William L. Hundertmark. Mrs. Hundertmark now carries on the business.

A NICE EASTER PLANT.

Our picture shows a plant of Chorizema, a well-known evergreen cool-house plant with showy yellow, orange and red flowers and handsome glossy, prickly-toothed leaves not unlike di-



minutive holly foliage. Chorizemas are easily grown and may be trained into various forms as well as the pyramidal shape shown in a 7-inch pot in the picture. We have to thank A. L. Miller for the photograph. Many more of these useful plants should be grown for Easter and spring sales by the florist trade.

VINES IN POTS FOR NEXT SEASON'S FRUITING.

During August and September these trees should be ripening their growths. It is a slow process, and it is desirable to prevent the formation of sappy growth. Rather inure the rods to more air and a gradual lessening of water at the roots. If this cannot be done where they now are, remove them to a light airy house, and later on place them outside in full exposure. Do not be misled into thinking that the biggest and the brownest-looking rods are always the best. The buds should be plump and the wood short-jointed. Any lateral growths that may still be soft and sappy should be shortened gradually. Young stock struck this year may be grown on still for a few weeks to come if the growth is not all that one would desire.—*Gardeners' Chronicle*.

LOCAL AND GENERAL NEWS

CHICAGO.

Mrs. J. Simpson, who has been ill most of the summer, is now able to be back at the Simpson Flower Shop at 3626 Ogden avenue. Several important changes are being made which will add to the attractiveness of the salesroom, including a round seat with pedestal center, a cashier's desk, etc. Mrs. Simpson says the books show that this summer's business has not been below that of other years.

The new 300-ft. greenhouse which Frank Oechslein has added to his Harlem avenue range is now completed and a storage house 25x150 is now under way and will be used for holding stock which is about ready for market. Mr. Oechslein regards such a house as a very profitable investment. It is also used for holding over plants that are to be kept in a nearly dormant condition. It is piped so as to keep an average temperature of 40 to 45 degrees.

Bulb growers of Chicago and vicinity are rejoicing in the news just received that the steamer Waaldyk has sailed from Holland. It carries twelve or fourteen carloads of bulbs destined for Chicago. Bills for some of these were mailed out July 21 and the long delay in the sailing of the vessel has caused much anxiety to those who depend upon the forcing of bulbs for a large part of their trade, and should they arrive safely the question still remains as to their condition after so long a delay.

The disastrous reports of the record breaking frost, which visited this state and others in the middle west, are confirmed by the reports of local growers, though very fortunately this immediate vicinity did not suffer greatly. In low places the temperature recorded 30 degrees on the night of September 10 and tomato vines are blackened by the frost. Florists had their help working all night to protect exposed stock, and the total losses were kept down. Sunday night, September 9, was the earliest date upon which frost has visited this section since the establishment of the weather bureau, and the following day was still colder.

ROCHESTER, N. Y.

Charles Curtis of Irondequoit has just installed a new Lord and Burnham boiler.

H. E. Wilson's delivery car had an accident last Saturday, breaking two front wheels.

Miss M. Burns, Miss Fuller and G. Case of James Vick & Sons have gone to Syracuse State Fair to have charge of the Vick exhibit.

Mrs. John Dunbar, wife of John Dunbar of Rochester Parks, is recovering from a serious operation and is expected to soon leave the hospital.

J. B. Keller & Sons had an attractive Horse Show window in which a large horseshoe of lavender and white

asters tied with green and yellow ribbon was displayed.

PITTSBURGH.

Mrs. Gustave Ludwig, with members of her family, left on last Sunday for a several weeks' lake trip.

Oscar M. Beckert is spending a month's vacation in New Hampshire, while John Fornof is at Cambridge Springs, Pa.

John Hoffman, the veteran night man for the E. C. Ludwig Company, has answered his country's call and enlisted under the colors.

Theodore P. Langhans and family left last Monday for a motoring trip through the White Mountains. Fred Burki and family have returned from an extended automobile trip.

H. F. Lowe, of the Scobie & Parker Co., is at Atlantic City, where Mr. and Mrs. Frank D. Roll are also located. Accompanied by his family, George B. Telfair, another member of the firm, and family are on a motoring trip to Cincinnati.

Since returning with her husband from their eastern trip, Mrs. Ernest C. Ludwig has been seriously ill with ptomaine poisoning. Edward Earl Ludwig, the younger son, left on last Friday, accompanying Ambulance Co. No. 4, N. G. P., for Fort Hancock.

G. Wessenauer is planning an elaborate autumn exhibition at his Sewickley Flower Shop. Mr. Wessenauer, who succeeded J. Gerry Curtis as forester of Sewickley and Edgeworth, has just added a most attractive little "plantation" to the "square" of the former suburb.

Considering the "off" season, there was a fair-sized attendance at the September session of the Pittsburgh Florists' and Gardeners' Club at the Fort Pitt Hotel on last Tuesday evening. There was a general discussion regarding the Flower Show for next year but not much headway was made.

Foreman James Moore has laid out some patriotic carpet beds to the West Park, North Side, representing the Red Cross, the Union Jack and the Liberty Bell, flanked on either side by "1776" and "1917" respectively, all in Echeverias, Artemesias and Alternantheras. On the approach to Lake Elizabeth and the large Fort Wayne Railroad bridge is a majestic shield, on which "Old Glory" is represented.

Owing to the depletion of the staff of the landscape department of the A. W. Smith Co., Miss Helen Spaulding of Lowell and Clifford Stowers of Boston, Mass., have been added during the week. Miss Spaulding is a graduate of Cornell, class of 1917, while Mr. Stowers was a member of this year's graduating class of the Mass. Agricultural College. This is the first position for each. Ralph W. Pinner, who for the past two years has been actively identified with the department, is now at Camp Hancock, Augusta, Ga.

ST. LOUIS.

Joe Hauser of Webster Grove is in with early California violets.

The Park Superintendents' Association met in Convention at the Planters Hotel on Sept. 11-13.

Preliminary work on the National Flower Show is beginning. Committees and local headquarters will shortly be announced.

A "get together" meeting of the employees of Grimm & Gorly will soon take place with the idea of improving conditions in the local flower trade.

Grand Leader Dry Goods Co., opened up a floral department under the management of Ed Soyot. All branches of the florist business will be conducted.

During Recess

Newport Horticultural Society.

Following the closing day of the autumn show, the nineteenth annual ball of the Newport Horticultural Society was given at the beach dancing pavilion, Friday evening, September 7, with a capacity crowd in attendance. During the intermission, when the dancers went from the dancing pavilion to the convention hall for refreshments, the officials of the society distributed flowers to all who cared to have them, and almost every young woman's arms were filled with roses, gladioli and dahlias.

The committee in charge made a special effort to outdo its previous performances and succeeded. John T. Allan was the floor manager, having for his assistant Colonel Herbert Bliss. The aides were Andrew S. Meikle, Alexander Fraser, Andrew Dorward, Frederic Carter and John Mahon. The ball committee was composed of John B. Urquhart, chairman; Frederick P. Webber, secretary and treasurer; C. M. Bogholt, Frederic Carter, William McKay, James Robertson, Bruce Butterton, Andrew Dorward, Andrew Meikle and William F. Smith. On the reception committee were John B. Urquhart, William McKay, Bruce Butterton, James McLeish, James Sullivan, Andrew S. Meikle, James Robertson, Richard Gardner, A. F. McMahon, John T. Allan and Alexander McLellan.

Norman E. Kirby, formerly with Peter Henderson & Co., New York, has bought a half interest with I. N. Simon & Son, Philadelphia.

SEED TRADE

Buy Labeled Field-Crop Seed.

Buy labeled seeds is a suggestion of the United States Department of Agriculture. In the case of field and forage crop seeds including cereals, corn, cowpeas, and soy beans, the label securely placed on the sack or container should convey the following information:—

- (1) Name of seedsmen.
- (2) Kind of seed.
- (3) Proportion of pure live seed present with month and year of germination test.
- (4) Country or locality of origin in the case of the following imported seeds: Beans, soy beans, Turkestan alfalfa, and red clover from southern Europe and Chili.

Following conferences with the Department of Agriculture, the Wholesale Grass Seed Dealers Association and the American Seed Trade Association at their conventions this summer approved furnishing the above information with all lots of field seeds of ten pounds or over. Later seventy-seven seedsmen including most of the larger dealers have individually agreed to adopt this plan. Under this agreement the seed trade voluntarily agrees to furnish the information stated above with all field seeds they sell including those sold in interstate commerce and in the 21 states having no laws regulating such sale. Seed so labeled may always be seeded at the proper rate to give a good stand under normal conditions.

Heavy Frost Damage

The Leonard Seed Co., of Chicago, say they have no reason to doubt the very discouraging report of the Tuesday morning papers regarding the enormous losses to the crops occasioned by the severe cold in Wisconsin, Illinois and Michigan, on Sept. 9th and 10th. Mr. Leonard also confirms the report of the heavy losses in Michigan, when frost visited that state on Aug. 23. Peas were already harvested, but to the best of his knowledge the yield is only from 25 to 40 per cent. of normal. Fifty per cent. or more of this crop is planted west of the Missouri River and the failure of the crop there is due to the almost total lack of rain since June. Some varieties of peas are completely wiped out. Bean vines had made their growth and the pods were maturing when this crop was seriously crippled by this week's frost. Corn also was not matured and the loss will be very heavy. Mr. Leonard says the seedsmen have to face the orders under existing circumstances. Onions have fared better, the crop being about a normal one. The onions are now out of the ground and in the crates waiting to be stored.

The Livingston Seed Co., of Columbus, O., have closed out the retail cut flower department of their business, the supplies on hand and the fixtures being sold to various parties, the reason being to give undivided time and attention to the seed business.

French Bulbs Are Here

READY FOR IMMEDIATE DELIVERY

Paper Whites, 1250 to case	1000 \$11.00	Blue Roman Hyacinths, 15-19 cm.	1000 50.00
Paper Whites, 1000 to case	1000 17.00	French-Grown Golden Spur	30.00
White Roman Hyacinths, 12-13 cm.	35.00	Freesia Refracta Alba (good size)	10.00
White Roman Hyacinths, 11-16 cm.	35.00	Freesia Excelsior (larger than Parity)	10.00
Pink Roman Hyacinths, 12-15 cm.	35.00	Allium Neapolitanum	8.00
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CARTERS TESTED SEEDS, Inc., 166 Chamber of
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The space in the retail store occupied by the flower department has for some time been much needed for other lines more closely allied to the seed business than cut flowers. The greenhouses will be retained for the present and used for experimental tomatoes and other vegetables, seed testing and limited quantities of cut flowers and potted plants. There is a rumor locally that they are going entirely out of

business, but we are assured that nothing is further from the facts in the case.

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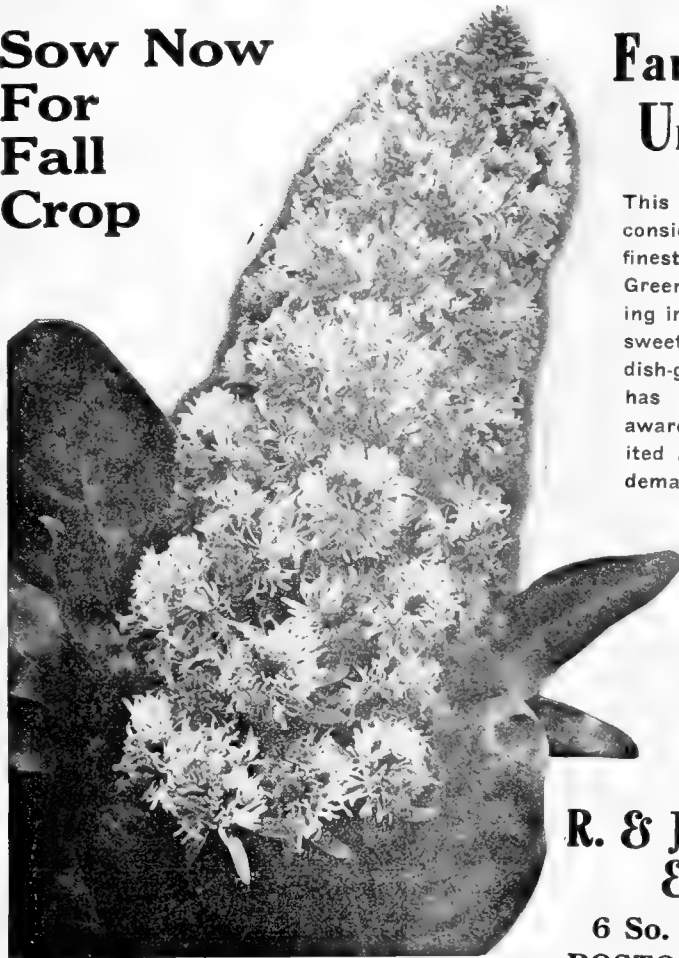
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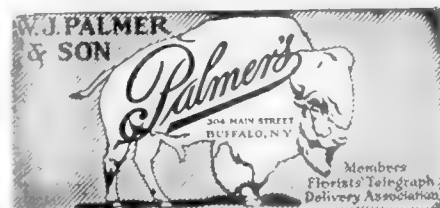
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Telephone, Main 6267-6268

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Sept. 13		ST. LOUIS Sept. 10		PHILA. Sept. 10	
Roses						
Am. Beauty, Special	15.00	to 25.00	.....	to	20.00	to 25.00
" " Fancy and Extra	6.00	to 12.00	.....	to 30.00	12.00	to 13.00
" " No. 1 and culls	3.00	to 6.00	.....	to 5.00	4.00	to 10.00
Russell, Euler, Mock	1.00	to 6.00	3.00	to 20.00	3.00	to 12.00
Hadley	.50	to 4.00	4.00	to 10.00	2.00	to 6.00
Arenberg, Hoosier Beauty	.50	to 4.00	2.00	to 5.00	8.00	to 6.00
Ward	.50	to 4.00	2.00	to 4.00	2.00	to 4.00
Killarney, Radiance, Taft	.50	to 4.00	2.00	to 2.00	1.00	to 6.00
Ophelia, Sunburst, Hillingdon	1.00	to 6.00	2.00	to 8.00	1.00	to 6.00
Carnations	.50	to 3.00	.....	to 1.00	.....	to
Cattleyas	.....	to .....	.....	to 75.00	.....	to 100.00
Dendrobium formosum	.....	to 50.00	.....	to .....	.....	to
Lilies, Longiflorum	6.00	to 8.00	12.50	to 18.50	10.00	to 12.00
Lilies, Speciosum	1.00	to 2.00	.....	to .....	.....	to
Lily of the Valley	8.00	to 12.00	5.00	to 5.00	6.00	to 8.00
Snappedrag	1.00	to 2.00	.....	to .....	.....	to
Gladioli	.50	to 4.00	2.00	to 4.00	2.00	to 4.00
Asters	.25	to 2.00	1.00	to 3.00	.50	to 3.00
Chrysanthemums	15.00	to 25.00	.....	to 25.00	20.00	to 25.00
Sweet Peas	.25	to .50	.....	to .....	.....	to
Marguerites	.50	to .75	.....	to .....	.....	to
Gardenias	20.00	to 25.00	.....	to .....	.....	to
Adiantum	.25	to 1.00	.....	to 1.00	.50	to .75
Smilax	6.00	to 10.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	15.00	to 25.00	25.00	to 35.00	25.00	to 50.00

WILLIAM F. KASTING CO. Wholesale Florists

568 570 WASHINGTON STREET - BUFFALO, N. Y.

J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

Flower Market Reports

Again we have to record BOSTON a very unremunerative week in the flower markets. There is no life in the wholesale district at any hour of the day. Tables and ice boxes are rather bare notwithstanding, for the frosty nights have played havoc with much of the outdoor product and if there were any demand for flowers a famine condition would soon be in order. Asters are poor and weather-beaten and gladioli are greatly reduced in quantity. Roses are good but in the absence of demand they are only salable at very low figures. Carnations are seen in excellent quality, much better than usual at a date so early. Dahlias, strange to say, never cut any figure in this section.

The second week in CHICAGO September opened with business running very slowly. It was noted everywhere in the wholesale market that with the coming of the cutting northwest winds came a sudden lull in the otherwise fairly good demand. Asters have suffered much from the combination of wind, rain and low temperature and really good ones do not wait long for buyers. Gladioli did not seem to suffer so much for they are picked when close and the flowers were not in bad shape when opened. Roses are more plentiful than the market can use this week but this condition is not likely to last. Carnations are still on very short stems and no great amount are coming. A few more chrysanthemums are seen but the season is hardly opened yet.

Business is poor. A CINCINNATI supply of stock is available but the demand is slow and not at all steady. Prices are low. The better grade of roses sell readily. Asters are very plentiful. Gladioli are slowing up and the coming week should see their end for the season. Dahlias have become plentiful. They are selling fairly well. Cosmos is in a heavy supply. A few carnations are available. Rubrum lilies have a fair market.

There is little to be said in a special way about the flower situation, which has not materially changed from that indicated in previous reports. Asters, gladioli and dahlias are seen in large quantities still and lilies are also in overabundance although tending toward better prices when of good quality. Dahlias would sell better if they could reach the market in better condition. The majority are badly bruised when received. Roses are steadily improving in quality. White roses have sold pretty well of late and Ophelia is moving satisfactorily, also. A few carnations are to be seen here and there. Cattleyas are still out of reach and lily of the valley has almost disappeared entirely.



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Per 100—\$15.00, \$12.00, \$10.00,
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1608-1620 Ludlow St.

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Franklin & St. Paul Sts

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1216 H. St., N W

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI Sept. 10	CHICAGO Sept. 10	BUFFALO Aug. 27	PITTSBURG Sept. 10
Roses				
Am. Beauty, Special.....	25.00	25.00	20.00	25.00
" " Fancy and Extra.....	15.00	20.00	12.00	15.00
" " No. 1 and culls.....	6.00	10.00	3.00	8.00
Russell, Euler, Mock.....	3.00	8.00	3.00	8.00
Hadley.....	1.00	1.00	1.00	1.00
Arenberg, Hoosier Beauty.....	3.00	6.00	3.00	8.00
Ward.....	3.00	5.00	2.00	3.00
Killarney, Radiance, Taft.....	3.00	5.00	2.00	6.00
Ophelia, Sunburst, Hillingdon.....	3.00	6.00	2.00	6.00
Carnations	1.00	2.00	1.00	1.00
Cattleyas.....	75.00	75.00	50.00	60.00
Dendrobium formosum.....	10.00	12.00	6.00	10.00
Lilies, Longiflorum.....	10.00	12.00	6.00	10.00
Lilies, Speciosum.....	7.00	4.00	6.00	8.00
Lily of the Valley.....	3.00	4.00	.50	1.50
Snappdragon.....	2.00	4.00	1.00	3.00
Gladioli.....	1.00	3.00	1.00	3.00
Asters.....	25.00	25.00	20.00	25.00
Chrysanthemums.....	1.00	1.00	1.00	1.00
Sweet Peas.....	.25	1.00	1.00	1.00
Marguerites.....	1.00	1.00	1.00	1.00
Gardenias.....	1.00	1.00	1.00	1.00
Adiantum.....	1.00	.75	1.00	1.25
Smilax.....	15.00	15.00	15.00	15.00
Asparagus Plu. & Spren. (100 Bhs.)	25.00	35.00	25.00	35.00

Conditions have been rather dull here but the worst seems to be over and a more hopeful feeling begins to prevail. The schools have opened and most people are back from seaside and mountain so there ought to be something doing. There will be weddings and debutantes—and by-and-by Yum Kippur and things, so all will be well. Prices remain on an even keel with no marked change since our last report. Usually we have some new crop carna-

tions by this time, but they seem later than usual this year. Which is perhaps just as well as there are immense stocks of asters and dahlias, and by pinching we can get better results later. Orchids and lily of the valley still very scarce. October Frost and Golden Glow chrysanthemums in limited quantity are to be seen here and there as a foretaste of the chrysanthemum season now rapidly approaching. There is not much change in the rose situation except on My Maryland. Some pretty nice stock of that favorite variety now arriving.

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Telephone 5335, Farragut.
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NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 8 1917		First Half of Week beginning Sept. 10 1917	
American Beauty, Special	12.00	to 30.00	12.00	to 30.00
" " Fancy and Extra	8.00	to 12.00	8.00	to 12.00
" " No. 1 and culls	.50	to 4.00	.50	to 4.00
Russell, Euler, Mock	.50	to 8.00	.50	to 8.00
Hadley	.50	to 6.00	.50	to 6.00
Arenberg, Hoosier Beauty	.50	to 4.00	.50	to 4.00
Ward	.25	to 3.00	.25	to 3.00
Killarney, Radiance, Taft	.25	to 3.00	.25	to 3.00
Ophelia, Sunburst, Hillingdon	.50	to 8.00	.50	to 8.00
Key	1.00	to 12.00	1.00	to 12.00
Carnations	.50	to 1.00	.50	to 1.00

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PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street, PITTSBURGH, PA.

Flower Market Reports

(Continued from page 313)

PITTSBURGH Business is fairly good with just about enough flowers to supply the trade. All are of satisfactory quality. The wholesale prices are about normal. There are plenty of greens of all kinds.

ROCHESTER, N. Y. Trade conditions for the past week have been very good. Asters of good quality are arriving in large quantities. Gladioli are abundant, also roses are very good and the supply is increased. Lilies are plentiful. Carnations growing larger, although the stems are short. Cattleys are scarce and price high. Pink and white Japan lilies are fairly good.

ST. LOUIS The burden of gladioli and asters has lightened up somewhat with the cool weather this week but outdoor flowers are altogether too plentiful still and a frost would be welcome.

Visitors' Register

Rochester, N. Y.—Miss Larker of White Bros., Medina, N. Y.

Pittsburgh—Isaac M. Bayersdorfer, representing H. Bayersdorfer & Co., Phila.

Rochester, N. Y.—M. M. Michael, Danville, N. Y.; Ed. Kendig, Oswego, N. Y.; H. Kirschhoff, Batavia, N. Y.

Philadelphia—J. B. Deamud, Vaughan's Seed Store, New York City; Geo. Foulsham, So. Bethlehem, Pa.

New York—H. A. Barnard, repr. Stuart Low & Co.; H. E. Humiston, Chicago Feed & Fertilizer Co., Chicago, Ill.

Cincinnati—A. W. Heur, representing Poehlmann Bros. Co., Chicago, Ill.; Mr. and Mrs. Joe Hill and Mr. and Mrs. Earl Mann, Richmond, Ind.

Chicago—Joseph Clarkson, Manistee, Mich.; B. Katswinkel of the Restland Floral Co., Mendota, Ill.; Geo. A. Kuhl, Pekin, Ill.; A. N. Richardson, St. Joseph, Mich.; J. Tuckis, Rock Island, Ill.

Boston—John S. Hay, repr. H. A. Dreer, Philadelphia; Walter Gott, repr. Sander's, St. Albans, England; Geo. E. Baldwin, Mamaroneck, N. Y.; Hong A. Barnard, repr. Stuart Low & Co., Enfield, Eng.

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	Last Half of Week ending Sept. 8 1917		First Half of Week beginning Sept. 10 1917	
Cattleys.....	75.00	to 100.00	75.00	to 100.00
Dendrobium formosum.....	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum.....	2.00	to 3.00	3.00	to 5.00
Lilies, Speciosum.....	1.00	to 3.00	1.00	to 3.00
Lily of the Valley.....	4.00	to 8.00	4.00	to 10.00
Snaptagons.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	1.00	to 2.00	.50	to 3.00
Asters.....	.25	to 1.00	.25	to 2.00
Chrysanthemums.....	.....	to 25.00	15.00	to 25.00
Sweet Peas.....	.15	to .50	.15	to .50
Marguerites.....	.25	to .50	.25	to .50
Gardenias.....	20.00	to 50.00	20.00	to 50.00
Adiantum.....	.25	to 1.00	.25	to 1.00
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, & Spreen (100 bunches).....	10.00	to 20.00	10.00	to 20.00

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HORTICULTURAL DEPT., Harry A. Bonyard, Mgr
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106 Pearl Street, New York

GRAPES CRACKING.

A correspondent sent in to the office of HORTICULTURE some bunches of Concord grapes in which a number of the berries were cracked or split open to the centre, requesting information as to the cause. We submitted the affected fruit to Prof. A. Vincent Osmun, head of the Department of Botany at Amherst, Mass., who sends the following reply which may prove interesting to some of our readers:

The cause of the splitting of these grapes is due, in large part, to the presence of the disease known as Black Rot, which is caused by a fungus [*Guignardia Bidwelli* (Ell.)]. The splitting, however, is entirely secondary and is probably due also, in part, to over-absorption of water during the recent heavy rains. Black Rot is the most destructive grape disease which we have. It may be controlled by frequent spraying with 5-5-50 Bordeaux mixture. The first application should be made just before blossoming time; the second, immediately after blossoming; and the following sprays at intervals of 10-14 days. It is usual to make 4 or 5 applications in order to effectively control Black Rot and the spraying must be done thoroughly. It is usually not desirable to spray with Bordeaux just before the grapes are ready to harvest as the spray material discolors the fruit and makes it somewhat unsightly for market purposes. If the grapes are to be entirely for home consumption, the presence of the spray material on the fruit does no particular harm as it may readily be washed off.

CATALOGUES RECEIVED.

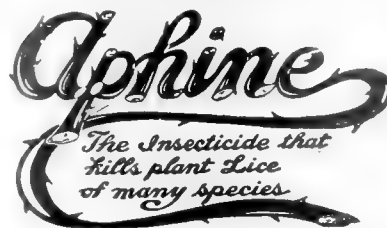
Conard & Jones Co., West Grove, Pa.—Shrubs, Peonies, Hardy Roses, etc.

Peter Henderson & Co., New York—"Henderson's Crop Special." Devoted to grass seeds and cereals.

Storrs & Harrison Co., Painesville, O.—Autumn Catalogue No. 3. General list of hardy and tender plants.

Framingham Nurseries, Framingham, Mass.—Fall Trade Price List 1917. General Hardy Nursery Stock.

Wakefield, Mass.—John Barry has sold his houses and land to Kameyama & Serada, who will grow carnations and sweet peas.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

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For mildew, rust and other blights affecting flowers, fruits and vegetables.

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**FROST DAMAGE IN NEW
ENGLAND.**

Eighty per cent. of the corn crop of New England has been wiped out by two nights' successive frost; squash, beans and tomatoes have suffered in a proportionate degree, and small gardens with vegetables such as cucumbers and peppers have been eliminated, according to the secretary of the State Board of Agriculture, Wilfrid Wheeler. Mr. Wheeler had just completed an extended trip through Worcester county, and had read his reports from Massachusetts and other parts of New England. Among these was one that indicated that Uncle Sam's fighting forces may miss the customary cranberries on Thanksgiving. Cranberry bogs were hit hard. Root crops, such as potatoes, beets, turnips, parsnips and carrots, were uninjured, and the fruit had advanced so far that the frost did not injure it. The apples and pears were not affected. There was frost injury to grapes, but the amount of grapes raised in New England was almost negligible this year."

NEWS NOTES.

Cincinnati, O.—P. J. Olinger is installing a new heating system at his greenhouses.

Rochester, N. Y.—Charles H. Vick and George T. Boucher, of this city, were judges at the Syracuse State Fair flower exhibit this week.

Westboro, Mass.—Daniel Mahoney, about 50 years old, employed by J. A. Gilmore, florist, fell or walked off a car of the Boston & Worcester street railway and struck on his head, Sunday evening, September 9. He was stunned, but regained consciousness on the arrival of Dr. J. L. Bacon. He was removed to his home, nearby.

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Bartlesville, Okla.—A. E. Meyers, additions.

Bellows Falls, Vt.—Victor Sherwood, one house.

Mattoon, Ill.—A. D. King, five Moninger houses.

Bonham, Tex.—City Greenhouses, house 35 x 100.

Pittsburg, Kan.—J. C. Steinhauer, house 27 x 200.

Racine, Wis.—Mound Cemetery, one house, completed.

Richmond, Va.—Ira L. Anderson & Son, 44th St., one house.

Utica, N. Y.—Antonio Salerno, 637 Elizabeth St., one house.

Utica, N. Y.—Antonio Salerno, 637 Elizabeth St., one house.

Portland, Ore.—T. Inuzuka, 37th St. and 4th Ave., one house.

Bartlesville, Kan.—J. C. Steinhauer, house 27 x 100; house 27 x 55.

New York, N. Y.—Botanical Garden, Bronx Park, house 49 x 172; house 30 x 100.

Westwood, N. J.—Miss Minnie Leonora, Washington Township, one house.

Alexandria, Va.—Dunbar Floral Co., 250 ft. rose house. D. G. Grillbortzer, four houses each 35x125, completed.

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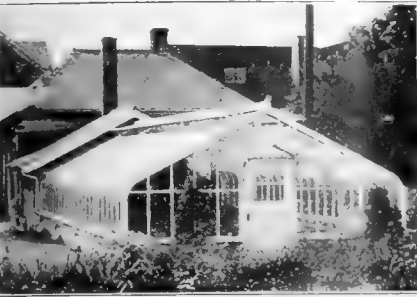
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The Florists' Mail Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars, address, JOHN G. ESLER, Sec., Saddle River, N. J.

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Barberry
Thunbergii*

*New
Ideal
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*Natural Size of
Box-Barberry Foliage*

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FALL 1917
TO THE GENERAL PUBLIC
FALL 1918

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THE ELM CITY NURSERY CO.
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NEW HAVEN, CONN.

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Dwarf Type of

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It is pronounced a most valuable find by all who have seen either the original plant or the stock we have propagated from it, including experienced nurserymen, landscape architects and gardeners, experiment station men and amateurs.

The public will take to it immediately. It's just what is wanted. As a formal-garden edge plant it is ideal;—this means thousands of it for many a single order. Equally desirable as a low and medium hedge plant, assuring a heavy demand. Trims into perfect formal specimens.

Propagates readily from either hard or soft wood cuttings. Will not come true from seed.

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EARLY HEATHER BELL. Rich mauve, changing to lavender. ¼ oz. 40c., ½ oz. 75c., 1 lb. \$1.25, 1 lb. \$4.00, 1 lb. \$12.00.

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½ oz. 40c., 1 oz. 75c., 1 lb. \$2.25, 1 lb. \$8.00

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Vol. XXVI
No. 12
SEPT. 22
1917

HORTICULTURE



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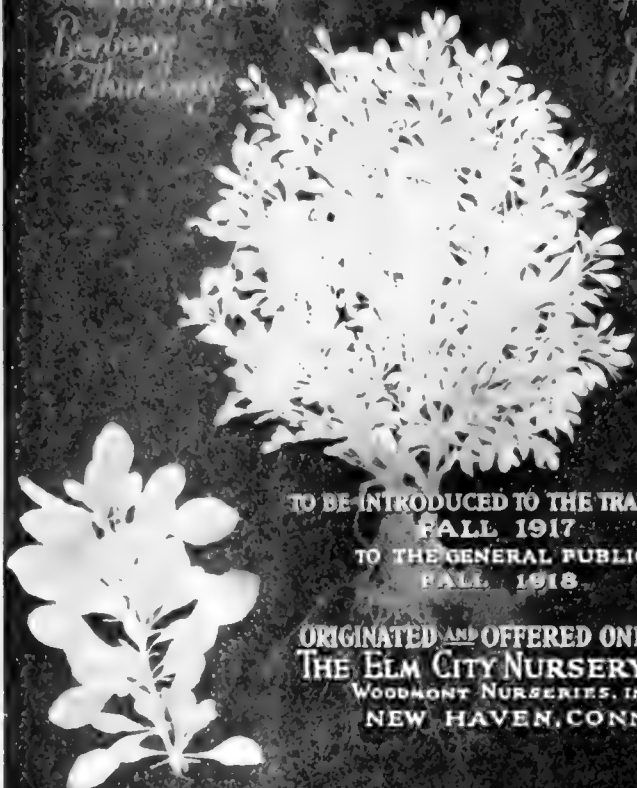
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<i>Cyrtomium Rochfordianum Compactum</i>	\$2.50	\$20.00
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<i>Pteris Distinction</i>	2.00	15.00
<i>Pteris Rivertoniana</i>	2.00	15.00
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We have at all times a good supply of 2 1/4 inch pot plants, they are particularly fine just now \$3.00 per 100; \$25.00 per 1000; five hundred or more supplied at 1000 rates.

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Giganteum, Formosum, Rubrum, Multiflorum, Magnificum, Auratum, Album, Melpomene, Etc.

Shipments distributed from New York, Chicago, Philadelphia, Denver, London (Ont.).

Write for IMPORT prices, stating quantity, variety and size.

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2 1/4 in. pots, \$15 per 100, \$125 per 1000.

3 in. pots, \$25 per 100.

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Table Ferns in flats, leading varieties, one variety in each flat, \$2.00 per flat.

Kentias for centers, 6 to 8 in. high, \$12.50 per 100; 8 to 12 in. high, \$15.00 per 100.

Cocos Weddelliana, 2 in., \$12.50 per 100;

2 1/4 in., \$15.00 per 100; 3 in., \$25.00 per 100.

A. M. DAVENPORT, Watertown, Mass.

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F. DORNER & SONS CO.

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WHITMANII IMPROVED—\$5 per 100, \$40 per 1000.

WHITMANII COMPACTA—\$5 per 100, \$40 per 1000.

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BOSTONS—\$4 per 100, \$35 per 1000.

250 at 1000 rates.

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We grow and sell nothing but ORCHIDS. If you are in the market for this class of plants we respectfully solicit your inquiries and orders. Special lists on application.

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FERNS

We have a large stock of the fancy varieties of *Nephrolepis* in extra fine shape for immediate shipment, and can offer the following varieties and sizes, viz:

Elegantissima, *Elegantissima compacta*, *Smithii* and *Muscosa*, 3-in. pots, 25c. to 35c. each.

Smithii and *Muscosa*, 5-in. pots, 50c. to 75c. each.

Smithii, 6-in. pans, 75c. to \$1.00 each.

Elegantissima, *Elegantissima compacta*, *Teddy*, Jr., and *Superbissima*, 6-in. pans, 50c. to 75c. each.

Elegantissima, *Elegantissima compacta*, *Teddy*, Jr., and *Superbissima*, 8-in. pans, \$1.00 to \$1.50 each.

Elegantissima and *Elegantissima compacta*, 10 in. pans, \$3.00 to \$3.50 each.

Cyrtomium falcatum and *Pteris* in variety, 3 1/2-in. pots, 15c. to 25c. each.

Shipments in pots at maximum prices only.

F. R. PIERSON, Tarrytown, N. Y.

GARDENIA VEITCHII

in 4 1/2-inch pots, choice healthy stock for benching at \$30.00 per C.

XMAS and BIRD'S EYE PEPPERS

2 1/4-inch pots at \$4.00 per 100.

XMAS JOY PEPPERS

2 1/4-inch pots at \$7.00 per 100; 3 1/2-inch pots at \$10.00 per C.

A. L. MILLER, Jamaica, N. Y.

Iris, Liliums, Lycoris, ETC.

For Fall Delivery

JOHN LEWIS CHILDS, Inc.

Flowerfield, L. I., N. Y.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The announcement that at the September meeting of this organization, W. H. Elliott would give a talk on his recent transcontinental trip and his impressions of the Pacific Coast country was sufficient to bring out a good-sized audience for a September meeting, last Tuesday evening. Mr. Elliott talked for nearly two hours but so interesting and amusing at times, were his remarks that the time passed all too quickly and he held his audience to the finish. Mr. Elliott is an observant traveler and not much that is unusual, amusing or pathetic escapes his eye and he has a naive way of telling his impressions which cannot be adequately expressed in print particularly where available space is so limited as ours. So we must pass it on with only brief mention and the assurance that those who were not there missed a real treat.

Mr. Elliott had a word to say about the new roses at E. G. Hill's, where he stopped off on his westward trip. He declared that at least fifteen of the Ophelia seedlings now under nurture will prove to be better than anything now in existence in the line of roses. His account of a ride in Kansas City in company with W. L. Rock and Samuel Murray, with the thermometer at 15 below zero was quite interesting. He devoted considerable time to his impressions of the Grand Canyon where he spent a week and the graphic account which he gave of this great natural wonder was the best we have ever listened to. Sam Bernardino, the Mojave desert, Pasadena, the orange groves, Los Angeles, San Diego, a bit of Mexico, the Coast towns, the big trees and finally the Golden Gate, San Francisco and Berkeley—the scenery, people, customs and ambitions were all reviewed analytically and a very interesting comparison between California as it is and New England as it is, followed. A unanimous vote of thanks was recorded.

There were several interesting exhibits, among them some Sutton's Scarlet and Farquhar's Improved Honeydrop melons and Prizewinner beans for which James Donald of Canton was awarded a cultural certificate. A similar award was given Frederick Cave for Superlative beans. Anemone Hupeensis shown by Blue Hill Nursery was given honorable mention. A letter from Alex. M. Mitchell, who is in the hospital after undergoing some dangerous operations was read, expressing appreciation of the Club's sympathy as expressed in a previous communication from the Secretary.

The club will hold a special vegetable exhibition in Horticultural Hall on Tuesday, Oct. 9. Competition is open to all. Suitable prizes will be awarded in all classes, a list of which will be announced in the regular October Club

MEETINGS NEXT WEEK.

Monday, Sept. 24.

Florists' and Gardeners' Club of Rhode Island, Swartz Hall, Providence, R. I.

Gardeners' and Florists' Club of Baltimore, Florists Exchange Hall, Baltimore, Md.

Tuesday, Sept. 25.

Newport Horticultural Society, Newport, R. I.

Tarrytown Horticultural Society, Tarrytown, N. Y.

Wednesday, Sept. 26.

Oyster Bay Horticultural Society, Oyster Bay, N. Y.

Friday, Sept. 28.

Connecticut Horticultural Society, County Bldg., Hartford, Conn.

Monmouth County Horticultural Society, Red Bank, N. J.

Pasadena Horticultural Society, Pasadena, Calif.

People's Park Cottage Gardeners' Association, Paterson, N. J.

circular. The general public will be admitted free after one o'clock. At the regular Club meeting in the evening there will be a number of short talks on vegetable culture by experts. Any one wishing to contribute special prizes or towards the prize fund is asked to communicate with the Secretary. Honorary displays from firms or individuals will be welcomed and given good care. Exhibits forwarded per express should be addressed: Gardeners' and Florists' Club of Boston, Horticultural Hall, Boston; should be prepaid and should arrive, if possible, before 10.30 a. m., October 9, in order to allow time to properly stage and classify them.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

At the 31st annual convention of this association held at Barre, Vt., the following officers were elected: W. N. Rudd, Mt. Greenwood, Chicago, Ill., president; Wm. H. Atkinson, Riverview, Trenton, N. J., vice-president; Wm. B. Jones, Highwood, Pittsburgh, Pa., secretary-treasurer. An address of welcome was extended by Governor Graham. Many courtesies and hospitalities were enjoyed, including a trip on Lake Champlain, auto trips to the granite quarries, banquets, etc. Many able addresses on pertinent topics were made by leading members of the craft.

CLEVELAND FLORISTS' CLUB.

The following named officers were elected by the Cleveland Florists' Club at its regular meeting on September 10: President, Carl Hagenburger, of West Mentor; first vice-president, F. W. C. Brown; second vice-president, Robert Weeks; secretary, James McLaughlin. Many interesting talks were given by members and visitors on the outstanding topics of the day. Ella Grant Wilson was unanimously elected an honorary member. About one hundred members were present.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

The American Association of Park Superintendents held its annual session at St. Louis, Mo., last week, Tuesday, Wednesday and Thursday, with headquarters at the Planters' Hotel, and it was one of the best meetings on record. About one hundred representatives were present from all sections, seventeen new members being added to the roll. A number of interesting papers were read and all the spare time was occupied in visits to various points of interest and entertainment of a lavish character. The following named officers were elected:

Officers Elected.

President, J. P. Foster, Chicago, Ill.; vice-president, John Berry, Denver, Colo.; secretary, C. W. Cottrell, Seattle, Wash. The next meeting will be held in Hartford, Conn.

NASSAU COUNTY HORTICULTURAL SOCIETY.

At the regular meeting held in Pembroke Hall, Glen Cove, N. Y., on Wednesday, September 12th, prizes were awarded as follows: To John F. Johnston for the best muskmelon and to Robert Jones for celery; honorable mention to William Noonan for seedling dahlias. It was voted that all members of the society who have enlisted, who may enlist, have been drafted or may be drafted into the United States service will be allowed a free membership for the duration of the war. Competition at the next meeting Wednesday, Oct. 9th, will be for P. W. Popp's special prize of \$5.00 for the best vase of twenty-five dahlias in variety, six cactus dahlias any one color, six peony and six decorative dahlias. The annual Dahlia Show will be held on Tuesday, Oct. 9th. The schedule of sixty-one classes has been divided into six sections for dahlias, outdoor flowers, roses, fruit, vegetables and plants. Admission, 50 cents, for the benefit of the American Red Cross.

HARRY GOODBAND, Cor. Secy.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

Public notice is hereby given that as no objections have been filed, the following registrations become complete.

New Rose Ophelia Supreme, by Dattlbouze Bros., Brooklyn, N. Y.

New Fern President Wilson, by Frederick H. Dressel, Weehawken, N. J.

JOHN YOUNG, Secy.

Sept. 15, 1917.

Now that the Government wants the people to eat more fish it will be harder than ever to keep Father from day off."

HORTICULTURE

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Early in the season when it was officially announced that the Lenox Horticultural Society had decided to abandon its exhibitions for this year because of unpropitious conditions, *HORTICULTURE* expressed regret that such should be the case, feeling that the example of this eminent Society, far famed for its enterprise and the high quality of the exhibits staged by the master gardeners of Lenox and environing towns, might be followed elsewhere, and to the great detriment of horticultural progress. But Lenox appears to have thought better of it, as see our account of the splendid exhibition of garden food products which has just closed and which fully upheld the traditional skill and prestige of her horticultural fraternity. We extend congratulations on this spirited and patriotic exploit.

Lenox

comes back

"Back to the
land"

and the future. HENRY V.

It is impossible to gaze on the marvelous displays of the products of "war gardens" and children's gardens especially, which are seen in almost every town

and hamlet in the country about this time, without feeling a bit of satisfaction that here at least, is one good thing, which owes its stimulus largely to the infernal tragedy in which almost the entire human race is at present involved. Never before have there been so many early risers, never have our boys and girls turned their activities to an occupation so useful and healthful. The enthusiasm, industry and perseverance which have made possible these remarkable displays of garden produce speak well for the grit that is embodied in our American youth and presage a bright future for horticulture in all its phases. "Back to the land" is not any longer a mere stock phrase, but it expresses an unmistakable predilection which has taken deep root and is destined to grow vigorously. This should be encouraged in every manner possible by every one directly or indirectly connected with the horticultural industries, so "that good diffused may more abundant grow."

Washington

City of future years

We find in the *Washington Star* of recent date an interview with the superintendent of public buildings and grounds, Col.

Hants, who is about to leave his position to go with a regiment of engineers to France. Col. Hants—who is also secretary of the Fine Arts Commission, tells of the plans proposed by the Commission for the improvement of Washington. As with other similarly ambitious schemes which have been advanced for the rearrangement of the National Capital, all other considerations are in this conception made subservient to the architectural point of view and the very first proviso is "the removal of the Botanic Garden from its present small area to a tract on the Bladensburg road opposite Mt. Olivet Cemetery." We are not familiar with the locality thus recommended as a desirable site for the Botanic Garden, but it is rather significant that it is opposite a cemetery! Who can say that the next move would not be to annex it to the cemetery! We are in no special hurry to see any scheme of brick and stone, "axial relationships" and "focal points," however magnificent and impressive, undo and obliterate the work of the illustrious old gardener who devoted his life to the transforming of a pestilential swamp and adorning it for the recreation and instruction of the people. In Lord Bacon's oft-quoted essay on gardens we read that among human pleasures gardening "is the greatest refreshment to the spirits of man, without which buildings and palaces are but gross handiworks. And a man shall ever see that when ages grow to civility and elegance, men come to build stately, sooner than to garden finely, as if gardening were the greater perfection." This seems almost prophetic of the present situation in Washington as it appears to us. The Botanic Garden, in the opinion of those for whose opinion we have the most regard is so centrally located and conveniently accessible to the public that it would be an unpatriotic and barbarous act to tear it up. Rather widen its scope and make it still more than it ever has been, a place where the public may resort to enjoy the "greatest refreshment to the spirits of man without which buildings and palaces are but gross handiworks." We were given to understand a short time ago that the purchase of an additional tract of land adjoining the present garden had been decided upon and a plan adopted for a substantial enlargement of the equipment of the institution. It is to be hoped that this information may yet prove to have been true.

THE EXHIBITIONS

GREAT EXHIBITION AT LENOX, MASS.

The exhibition of the Lenox Horticultural Society, held on September 13 and 14, was a pronounced success, and a very gratifying culmination to the efforts to put up a food product exhibition without any competitive features or awards. Each exhibitor was given such space as he could fill, and a most creditable display resulted. The exhibits were arranged around the hall on tables with sloping backs which were generally covered with corn stalks and asparagus green. The severe killing frosts of the week caused havoc among the gardens, but the hall was well filled with first-class vegetables showing that an unusual effort had been made along the lines of increased food production.

The Lenox Canning Kitchen occupied a table through the center of the hall, where their products, including canned vegetables and jellies, were exhibited for sale, and all were sold out before the close of the exhibition. A feature of this table was 500 pounds of jam in tubs, made by Mrs. W. E. D. Griswold for the soldiers in France. Another table was used for school garden and industrial exhibits by children. Another was devoted to exhibits from "war gardens" exclusively, the vegetables being of very fine quality.

Highlawn, W. B. O. Field, made a very interesting display including dehydrated beans, egg plant, cut and scraped corn, chicken and eggs, canned peas, string beans, tomatoes, corn, spinach, carrots, beets, cherry jelly, raspberry jam, and a general collection of well-grown vegetables. Ethelwynd, Mrs. Robt. Winthrop, made a very nicely arranged exhibit consisting of the following: Cucumber, beets, celeriac, Lima beans, dutabaga, peppers, potatoes, Jerusalem artichoke, string beans, egg plant, parsnips, onions, corn, squash, celery, tomatoes, salsify, carrots, beets, mushrooms, endive. Bellefontaine, Giraud Foster, made a fine exhibit consisting of apples, Duchess and Wolf River, packed in regulation boxes and barrels, also a splendid array of vegetables. Vegetable and fruit displays in extensive variety and conspicuous examples of gardening skill were staged also by White Lodge, A. R. Shattuck; Interlaken, Mrs. John E. Parsons; Tanglewood, Mrs. Richard C. Dixey. Elm Court, Mrs. Wm. D. Sloane, had the most attractive exhibit in the show, vegetables in bulk being employed with good effect, the center being a pyramid of Green

Coming Exhibitions

Oct. 4 and 5, San Francisco, Cal.—Shows of the California Dahlia Society. Newell F. Vanderbilt, Sec'y, 725 Fifth street San Rafael, Cal.

Sept. 22 and 23, New York.—Dahlia exhibition of the N. Y. Hort. Society at Bronx Park. Geo. V. Nash, secretary.

Sept. 24, Davis, Cal.—Seed show, by the University of California. Address B. A. Madsen, assistant professor of Agronomy, University of Cal. Farm, Davis.

Sept. 25 to 27, New York City.—Joint Dahlia exhibit of the American Dahlia Society and the American Institute at Engineering Society's Bldg., 25-33 W. 39th street. Also Chrysanthemum exhibit of the Amer. Inst., Nov. 7 to 9, at same building. W. A. Eagleson, 324 W. 23rd street.

Sept. 28 and 29, Sewickley, Pa.—Annual Fall exhibition, Sewickley Hort. Society. John Carman, Sec'y, Sewickley.

Oct. 1, Boston, Mass.—Mass. Hort. Society fruit exhibition, Hort. Hall; Wm. P. Rich, Sec'y.

Nov. 15 and 16, Providence, R. I.—Rhode Island Hort. Society flower, fruit, and vegetable show. Ernest K. Thomas, Sec'y, P. O. Box 180, Kingston, R. I.

Mountain potatoes, onions, peppers, egg plant, string beans, peas, corn, tomatoes, cucumbers, cabbage, okra, Lima beans, carrots, beets, etc., etc. Wyndhurst, W. E. D. Griswold, made a general exhibit of food products, including preserves and canned vegetables done by Mrs. Griswold, and specimens of home-made soap, extracted honey, pickles, jams, etc., and the following fruits and vegetables: Cabbage, corn, leeks, 12 onions weighing 31 pounds, potatoes, egg plant, peppers, turnips, rutabaga, tomatoes, beets, parsnips, squash, celery, carrots, endive, dry beans, melons, Honey Drip and Superlative peaches, nectarines, canned string beans, cauliflower, tomatoes, beets, corn, peas, pickled cucumbers, tomato ketchup, chopped sweet pickles, green tomato pickle, preserved watermelon rind, spiced syrup, peaches, strawberries, blackberries, muskmelon preserve, blackberry and plum jam, crab-apple jelly.

Allen Winden Farm, Charles Lanier, made a showy exhibit of vegetables carefully arranged. Mrs. Alfred G. Vanderbilt was also represented by a grand collection as was also Mrs. W. E. Hoyt, Williamstown, Mass., the latter including 15 immense specimens of onion Gigantic Gibraltar. Robert S. Tillotson and Clepton Grange, F. K. Sturgis, both made fine exhibits. Spring Lawn, Mrs. J. E. Alexandre, showed a pretty arrangement consisting of a background of apples, plums, pears, melons and grapes, with a general collection of vegetables. Shadow Brook, Andrew Carnegie, exhibited a miscellaneous assortment of well-grown vegetables.

The vegetables were auctioned off at the close of the exhibition, and all receipts from the show were given to the Red Cross.

NEW YORK STATE FAIR.

The State Fair at Syracuse was a great success this year both financially and otherwise.

In the department of flowers, there was a little falling off in entries, but the quality of the goods shown was far in advance of other years. The trade exhibits were larger than in previous years, conspicuous among them being a fine collection of gladioli staged by Arthur Cowee, Berlin, N. Y.; a collection from J. J. Prouty, Baldwinsville, N. Y.; and a large display by Madison Cooper, Calcium, N. Y. James Vick's Sons, Rochester, N. Y., staged a very fine exhibit of gladioli, asters, hardy perennials and annual flowers, bulbs for fall planting, and ornamental grasses; F. R. Pierson, Tarrytown, N. Y., exhibited a fine collection of Neprolepis and hybrid tea roses; J. J. Bryant & Son, Newark, N. Y., gladioli, dahlias and roses; H. B. Williams, Baldwinsville, N. Y., a fine collection of asters; Mrs. Mabel Stacey Bliss ("the Marigold Lady") marigolds and perennial flowers which were exceptionally fine.

In the professional class of cut flowers (roses), the honors were divided between F. R. Pierson, Tarrytown, and W. J. Palmer & Son, Buffalo. The grand special rose premium was awarded to F. R. Pierson. In dahlias a remarkably fine collection was staged by N. H. Cottam & Son, Wappingers Falls, N. Y. They received the 1st premium in all the dahlia classes.

In the floral art section for bridal bouquet, corsage bouquet, bouquet of roses, basket of flowers and dinner table decoration, W. J. Palmer & Son received 1st throughout and W. F. Bultman 2nd.

Exhibit by florists' society or organization: 1st prize to Gardeners' Club, Syracuse; 2nd, the Retail Florists' Association; 3rd, the Growers' Club. Collection of stove and greenhouse plants effectively arranged to cover 150 square feet, one entry, E. W. Edwards, Syracuse, arranged by Mr. Sullivan, gardener. The silver and bronze medals of the American Gladiolus Society were awarded as follows: Madison Cooper, Calcium, silver; O. C. Curtis, LeRoy, bronze. The amateur exhibits were much larger and better than in previous years. The judges were W. H. Workman, Oswego, and Thos. F. Eastwood, Waterville, N. Y.

CLEVELAND FLOWER SHOW.

The Premium Committee of the Cleveland Flower Show announces that the final list will be mailed to all Commercial and Private Growers about September 25th. The following information regarding the addition of a number of new classes since the preliminary list was issued, will be of interest to the ones intending to exhibit.

There will be nine new classes for the Rose section, consisting of 50 blooms each of the following: Mrs. George Sawyer, Mrs. Aaron Ward, Seaside, White Killarney or Double White Killarney, Hoosier Beauty, any

other variety White, any other variety Pink, any other variety Yellow, any other variety Red. The prizes for each of these new classes will be \$15.00, \$10.00 and \$5.00.

The Carnation section has also been enlarged by adding the following: 100 blooms in each of the various colors, white, flesh pink, light pink, dark pink, scarlet, crimson, and any other color. The dark pink to be as dark or darker than Mrs. C. W. Ward. The premiums for these seven new classes will be \$15.00, \$10.00 and \$5.00. This will make the Carnation section much more interesting to the Commercial Growers.

One of the last things F. C. Bartels, who was chairman of the Premium Committee, did on Saturday, September 15th, was to go over the final revision of the list with M. A. Vinson, the show manager. As told elsewhere in the paper, Mr. Bartels was shot and killed by a burglar about 4 o'clock on September 15th. Mr. Bartels will be missed greatly by his associates among the Flower Show Committee, as he was most active and gave much of his time in the advance planning for the coming big event.

FLORAL EXHIBITION AT SPRINGFIELD, MASS.

The Eastern States Exposition, which takes place at Springfield, Mass., October 12-20, has assigned a limited space for free entry of floral exhibits. This is the first year that an attempt has been made by these people for a floral display. The flower exhibit will be placed in the Horticultural Building where will be housed the first National Vegetable Show in co-operation with the Vegetable Growers' Association of America, and an extensive apple display. No premiums are offered. Plans are being made for an attendance of over 300,000 visitors. Last year there was an attendance of 297,000.

NOTES OF THE EXHIBITIONS.

The annual flower show at Wayne, Pa., was held on Wednesday, September 19. Ribbon prizes were given.

There will be an exhibition of Dahlias at the Museum Building of the New York Botanical Garden on Saturday and Sunday, September 22 and 23.

On Saturday, September 29, the Paterson (N. J.) Floricultural Society will hold its seventh annual flower show at the Young Men's Christian Association.

Owing to the ravages of frost last week the exhibitions that were to have been held at Andover, Mass., and Lawrence, Mass., were necessarily cancelled.

The flower and vegetable exhibition at Gloucester, Mass., which closed on September 13, was attended by the largest crowds on record for flower shows in that city.

The fourth annual children's garden exhibit at the Brooklyn (N. Y.) Botanic Garden was held last week. Benjamin Hammond and J. Harrison Dick awarded the prizes.

The Collingswood (N. J.) Horticul-

THE NATIONAL PUBLICITY FUND.

I suppose you have read with much interest the great movement that was started in New York toward raising \$50,000 for National Publicity Fund. The central committee has been appointed, and sub-committees are in the process of appointment.

To my mind, this was the greatest thing that was ever started for the benefit of the florists at large. Think of a national publicity campaign on the use of flowers along the same lines as Uneda Biscuit, Coca Cola, Velvet Joe, Shredded Wheat and other similar products that have been given a wonderful national consumption, by a national publicity campaign. None of them appeal to the people as much as flowers. I believe you realize the importance of this movement. We have now close on to \$15,000 subscribed, nearly all of which was raised on the convention floor in a few minutes' time. This money will be handled by our own committee, with an advertising expert in charge, and you may rest assured that every cent will be spent judiciously.

I trust the members of the trade will rally to the support of this cause. Do not wait for the committee to call, but send in your agreement to the secretary, stating what amount you will subscribe per year. You will note from a list of subscribers how these subscriptions are running. I sincerely trust we shall be able to complete this fund by October, in order to get down to business by Thanksgiving. Do not hesitate, be liberal. It is money well invested. For further information, write the General Chairman, George Asmus, 2221 W. Madison St., Chicago, Ill.

Yours respectfully,
R. C. KERR, Pres. S. A. F.

tural Society will have its second annual flower and vegetable show in The Carnegie Library building on Friday and Saturday, October 5 and 6. Charles Thomas is secretary.

The third annual flower carnival and Chautauqua, at Seneca Falls, N. Y., opened at the Masonic Temple on September 7. The floral and vegetable display was one of the largest ever seen in Seneca Falls.

Judge and Mrs. Josiah T. Marean opened their gardens at Daybreak, their country place in Greens Farms, Conn., on Sept. 15 for a "Dahlia Show and Tea," in aid of the Red Cross and American hospitals in France.

The annual exhibition of the Houghton Horticultural Society, of Lynn, Mass., was held in Odd Fellows' Hall last Tuesday, Wednesday and Thursday. The exhibition was the largest and best in the history of the society.

The Garden Club, of Huntington, N. Y., will hold its fall exhibit of flowers,

fruits and vegetables on Wednesday afternoon, Sept. 26, 1917, at the Isbister building, Boston Post Road. Prizes are offered for flowers, fruit, vegetables and "war gardens."

The Norwood, Pa., Horticultural Society held its fourth fall flower and vegetable show, on Saturday evening, September 15. The flower and vegetable show has been a success from the beginning, and an interesting feature of the social life of Norwood.

The annual dahlia show of the Worcester (Mass.) Horticultural Society held on Thursday, September 13, was almost destitute of dahlias on account of the damage by the freeze but there was a good showing of other fall flowers, fruit and vegetables.

The flower show in connection with the 43rd annual fair of the Washington County Agricultural Society, at Kingston, R. I., last week was disappointing. A killing frost the night before the fair opened caught the big growers and they did not show. Rowland G. Hazard was given a gratuity for his greenhouse collection.

The Germantown, Pa., Horticultural Society had a varied exhibition of flowers, fruit and vegetables in the Free Library, Vernon Park, on Monday evening, September 10. Announcement was made that at the next meeting Richard Rothe would talk on the subject of "Rock Gardens," illustrating his remarks with a number of attractive lantern slides.

As an instance of the increased interest in flower and vegetable gardening in Easthampton, Mass., the past year, the school children last Saturday, held their annual flower and vegetable show in the Town Hall, and both in extent and merit it was the best in the long series of such events. Among the special prizes were three for essays—"The Story of My Garden."

At the annual Stockbridge (Mass.) Grange Fair in Stockbridge Casino on September 14, Miss Helen C. Butler, of New York, won the silver grange trophy for the best all round display of vegetables, fruits and flowers. Mr. Bernhard Hoffman was second. Miss Butler also won first award for the best display of flowers alone, and Miss Ellen King, of Washington, for the best collection of vegetables. Mrs. Joseph H. Choate had a large non-competitive exhibit that was much admired.

At the first annual show of the West Elmwood (R. I.) Improvement Association held on September 10 and 11, vegetables, fruit and flowers of many varieties were shown by a total of about 60 exhibitors. At the conclusion of the affair the spectators took the exhibits home with them to enjoy at their leisure, everything being sold at auction by Auctioneer James Tate. The show was attempted as an experiment, and, according to the committee in charge, was successful beyond all anticipations. Medals attached to badges were awarded to the winners. Palms and ferns furnished by George Johnson & Son, florists, added to the attractiveness of the rooms.

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Blight Affects New Brunswick Potato Crop.

Reports from Fredericton, the capital of the Province, state that the Dominion plant pathologist has been informed by field inspectors that about 60 per cent. of the growing potatoes of New Brunswick have been "killed down" by blight, and no more growth will take place in fields so affected. The northern and more inland portions of the Province have suffered less than the southern and coastal regions.

This means that the yield of potatoes will be greatly reduced, and in spite of an increase in planted acreage of about 25 per cent. the recovery will probably not exceed the 1916 total. It is explained that this estimate does not take account of a possible loss by rot, which may follow in the case of potatoes affected by blight.

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The Livingston Seed Co., of Columbus, Ohio, announces that they will close out their entire nursery stock in order to give full attention to their seed business.

CATALOGUES RECEIVED.

F. & F. Nurseries, Springfield, N. J.—Trade List of Nursery Stock for Fall, 1917.

Livingston Seed Co., Columbus, Ohio.—Fall Catalogue of Bulbs and Hardy Plants for 1917.

Vaughan's Seed Store, Chicago and New York—Autumn Catalogue of Bulbs and Hardy Plants, 1917. Illustrated.

Peter Henderson & Co., New York City.—Autumn Catalogue. Covers brilliant with tulips and narcissi in many varieties.

Thos. J. Grey & Co., Boston—Autumn Catalogue for 1917. A neat publication with covers artistically decorated in decorous grey.

Peter Henderson & Co., New York.—Wholesale Catalogue for Florists and Market Gardeners. Autumn 1917 edition. A very snappy and convincing publication.

Vincent Lebreton, Angers, France.—Wholesale Catalogue of Nursery Stock. A very complete and valuable list. McHutchison & Co., New York City are sole agents for the United States and Canada.

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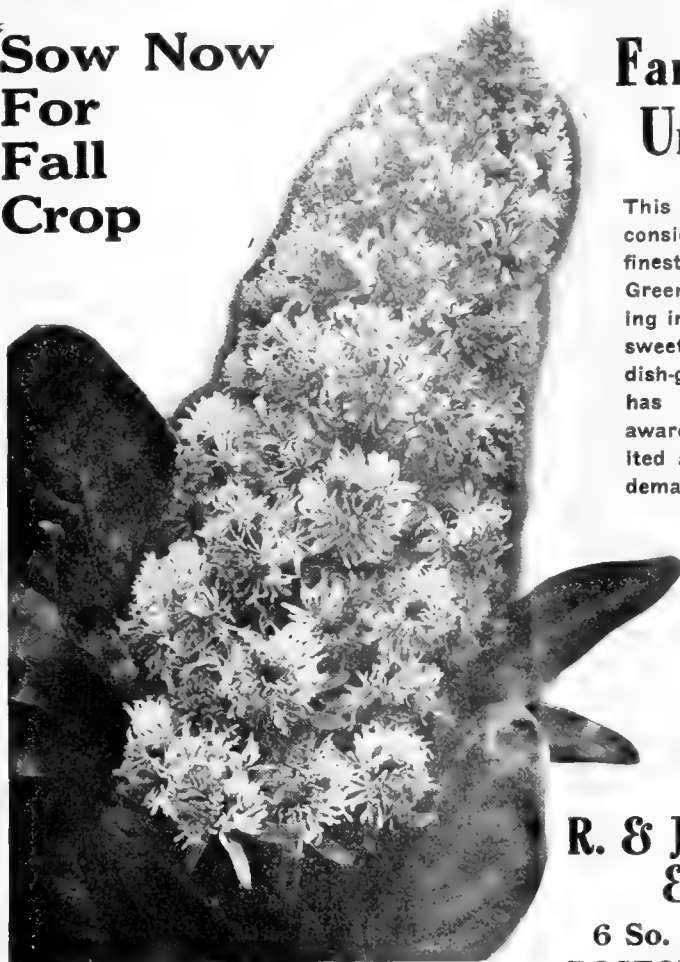
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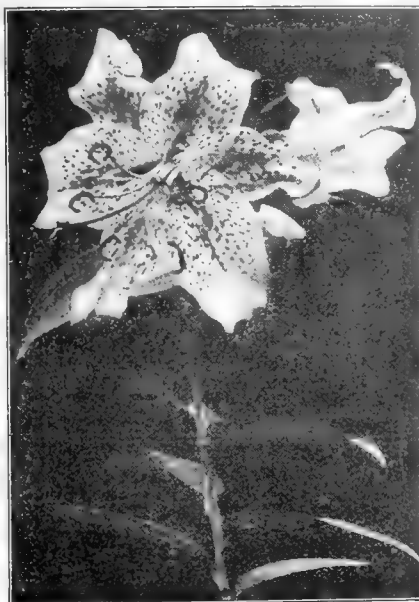
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From The Garden.

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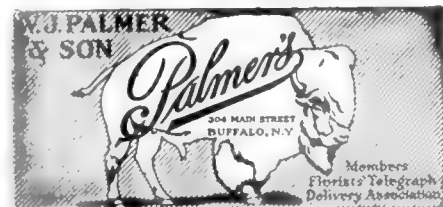
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72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from
leading growers

Full line of Florists'
Supplies

Write for quotations before
ordering elsewhere

262B DEVONSHIRE ST., BOSTON, MASS.
Telephone, Main 6267-6268

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Sept. 20		ST. LOUIS Sept. 17		PHILA. Sept. 17	
Roses						
Am. Beauty, Special	15.00	to 25.00	to	20.00	to 25.00	
" " Fancy and Extra	6.00	to 12.00	to 30.00	12.00	to 15.00	
" " No. 1 and culls	3.00	to 6.00	to 5.00	4.00	to 10.00	
Russell, Euler, Mock	1.00	to 6.00	3.00	19.00	3.00	to 12.00
Hadley	.50	to 4.00	3.00	19.00	3.00	to 18.00
Arenberg, Hoosier Beauty	.50	to 4.00	2.00	5.00	3.00	to 4.00
Ward	.50	to 4.00	2.00	4.00	2.00	to 4.00
Killarney, Radiance, Taft	.50	to 4.00	2.00	6.00	2.00	to 6.00
Ophelia, Sunburst, Hillingdon	1.00	to 6.00	2.00	8.00	2.00	to 8.00
Carnations	.50	to 2.00	1.00	2.00	to	to
Cattleyas	to	to	to	to	to	to 100.00
Dendrobium formosum	to	to 50.00	to	to	to	to 75.00
Lilies, Longiflorum	6.00	to 8.00	12.50	to 18.50	8.00	to 12.00
Lilies, Speciosum	1.00	to 2.00	to	to	to	to
Lily of the Valley	8.00	to 12.00	to	5.00	5.00	to 10.00
Snaptagon	1.00	to 2.00	to	to	to	to
Gladioli	.50	to 3.00	2.00	to 4.00	2.00	to 4.00
Asters	.25	to 2.00	1.00	to 3.00	1.00	to 3.00
Chrysanthemums	12.00	to 20.00	to	15.00	20.00	to 25.00
Sweet Peas	.25	to .50	to	to	to	to
Marguerites	.40	to .75	to	to	to	to
Gardenias	20.00	to 25.00	to	to	to	to
Adiantum	.25	to 1.00	to	1.00	.50	to 1.00
Smilax	6.00	to 10.00	to	12.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	15.00	to 25.00	25.00	to 35.00	25.00	to 50.00

WILLIAM F. KASTING Co. Wholesale Florists

568 570 WASHINGTON STREET - BUFFALO, N. Y.

J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER OF

CUT FLOWERS

Flower Market Reports

BOSTON Tables and ice boxes in the wholesale district are almost bare and the first impression on the observer is that business is rushing and has cleaned up all the stock. But the exact reverse is the real truth. Business is defunct and with the exception of roses which are coming along in increasing numbers, the daily receipts are negligible. Gladioli and asters are greatly reduced in quantity. A few good calendulas are now being received. Dealers and growers generally are rather disturbed over the almost entire absence of any demand for stock of any kind this week.

The quiet condition of **CHICAGO** last week remains unchanged and wholesalers report business as very slow. This is not unusual for September, for home gardens are yielding quite an assortment of outdoor flowers during this month, and it is not a popular time for social affairs that require high-class flowers. Shipping trade is reported by some of the large houses to exceed local sales. Stock has increased during the week, the supply both of roses and chrysanthemums being considerably larger. The asters are still coming in in enormous quantities and there seems no limit to the small ones, most of which should never have left the fields. Lilies are also far too many for demand in most houses. Retailers say their sales are mostly confined to funeral work where the large flat, fluffy asters are much in demand. There are few good carnations as yet. Gladioli are very plentiful and the stock is in good condition, having long stems and the flowers of fine color.

Business is better **CINCINNATI** than it was, but not good enough to cause any material stiffening of prices. Many fall openings are creating a large demand for flowers. Roses are more plentiful and generally of better quality. Asters continue in a large supply. Carnations are coming in but not very plentifully as yet. Lilies are plentiful. The cut of dahlias is large and the blooms excellent.

The frost of last week reduced the quantity of garden flowers coming in and they have been also shortened up by the progress of the season but there is a compensating increase in the receipts of chrysanthemums, roses and carnations and, as there is no apparent expanding of the demand, the situation cannot be said to have improved in the least over the unsatisfactory conditions reported weekly for the past two months. Roses are getting well up to cold weather standard. Among the more recent additions to the daily stock are oncidiums and tuberose. As the receipts of chrysanthemums increase the standard of prices decreases. Gladioli are well on the wane.



FOR FALL DECORATIONS

We can furnish from now on abundance of good stock Hydrangeas, Tritomas, Dahlias, Auratum and Rubrum Lilies, Early Chrysanthemums, and other seasonal stock.

Write us for quotations.

Business Hours
7 A. M. to 5 P. M.

S. S. PENNOCK COMPANY

The Wholesale Florists of Philadelphia

NEW YORK 117 W. 28th St. **PHILADELPHIA** 1608-1620 Ludlow St. **BALTIMORE** Franklin & St. Paul Sts.
WASHINGTON, 1216 H. St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Sept. 17		CHICAGO Sept. 17		BUFFALO Sept. 17		PITTSBURG Sept. 17	
Roses								
Am. Beauty, Special.....	25.00	to 35.00	30.00	to 40.00	25.00	to 30.00	.....	to 25.00
" " Fancy and Extra.....	15.00	to 20.00	20.00	to 30.00	20.00	to 25.00	12.00	to 15.00
" " No. 1 and culls.....	6.00	to 10.00	4.00	to 10.00	3.00	to 5.00	.....	to 5.00
Russell, Euler, Mock.....	3.00	to 8.00	4.00	to 20.00	3.00	to 12.00	4.00	to 8.00
Hadley.....	.....	to .....	.....	to	5.00	to 10.00	4.00	to 8.00
Arenberg, Hoosier Beauty.....	3.00	to 6.00	3.00	to 10.00	5.00	to 10.00	4.00	to 6.00
Ward.....	3.00	to 5.00	4.00	to 10.00	3.00	to 5.00	2.00	to 6.00
Killarney, Radiance, Taft.....	3.00	to 5.00	3.00	to 10.00	2.00	to 8.00	2.00	to 8.00
Ophelia, Sunburst, Hillingdon.....	3.00	to 6.00	3.00	to 10.00	3.00	to 8.00	2.00	to 8.00
Carnations	1.00	to 2.00	1.00	to 3.00	1.00	to 1.50	.....	to
Cattleyas	.....	to 75.00	75.00	to 100.00	50.00	to 60.00	.....	to
Dendrobium formosum	.....	to .....	.....	to	8.00	to 10.00	10.00	to 12.00
Lilies, Longiflorum	10.00	to 12.50	8.00	to 12.00	3.00	to 6.00	.....	to
Lilies, Speciosum	.....	to .....	.....	to	7.00	to 8.00	.....	to
Lily of the Valley	.....	to 7.00	5.00	to 6.00	1.00	to 3.00	2.00	to 4.00
Snapdragon	3.00	to 4.00	.....	to	2.00	to 3.00	2.00	to 4.00
Gladioli	2.00	to 4.00	2.00	to 4.00	1.50	to 3.00	50	to 4.00
Asters	1.00	to 3.00	1.00	to 4.00	.....	to 2.00	50	to 4.00
Chrysanthemums	20.00	to 25.00	15.00	to 25.00	10.00	to 20.00	10.00	to 12.00
Sweet Peas	.....	to .....	.....	to .....	.....	to .....	.....	to
Marguerites	.....	to 1.00	.25	to 1.00	.....	to .....	.....	to
Gardenias	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum	.....	to 1.00	.....	to 1.00	1.00	to 1.25	1.00	to 1.25
Smilax	.....	to 15.00	15.00	to 20.00	15.00	to 20.00	.....	to 15.00
Asparagus Plu. & Sprea. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	40.00	to 60.00

Conditions have improved here very considerably during the past week and are now about as good as could be expected for the season. Roses have cleaned up very well, and there was a good demand for dahlias and asters. In asters the supply has slackened up a little, especially in the finer grades. No carnations yet. Very few chrysanthemums. Usually by this time the October Frost and Golden Glow made their appearance, but only a few of the white ones, and none of the yellow, so far, are to be seen. The great

worry with the commission men now is the express delays. For three days last week, no service at all on the American. What will it be by Thanksgiving and Christmas?

Carnations are improving and stock in **ST. LOUIS** proving and roses looking better. Violets have arrived but blooms are small. Greens are plentiful. Dahlias are coming in larger quantities.

BUSINESS TROUBLES.

Salt Lake City, U.—Thomas Hobday, florist; assets \$103, liabilities \$1594.

H. BAYERSDORFER & CO. Manufacturers and Importers

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Fall Novelties Now On Display

New Show Rooms Added

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

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Wholesale Commission Florist
Choice Cut Flowers
New Address, 143 West 28th St., NEW YORK
Telephones: 1300, 2761, Madison Square.

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Wholesale Commission Florists
55 and 57 West 26th Street
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Farragut New York

WM. P. FORD

Wholesale Florist
107 W. 28th Street, NEW YORK
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Call and inspect the Best Establishment
in the Wholesale Flower District.

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WHOLESALE FLORIST
109 WEST 26th ST
CONSIGNMENTS SOLICITED
PHONE 608 FARRAGUT NEW YORK
609

JOHN YOUNG & CO.

WHOLESALE FLORISTS
53 WEST 28th STREET NEW YORK CITY
Consignments Solicited
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Ferns, Mosses, Wild Smilax, Galax,
Lusciothea, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorative Evergreens.
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Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone 3570 Farragut.

GEORGE B. HART

WHOLESALE FLORIST
24 Stone St., Rochester, N. Y.

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Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

P. J. SMITH

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes.
TELEPHONE 2281 FARRAGUT 131 West 28th St., NEW YORK CITY
3089

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY
SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US
Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist
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Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the
BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.
PAUL MECONI—Wholesale Florist—NEW YORK
Telephone Nos. 3864 and 8364 Madison Square 57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us
FANCY GRADE ORCHIDS, SEPTEMBER MOON, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists
Phones: Farragut 355, 2636 and 2037 111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 15 1917		First Half of Week beginning Sept. 17 1917	
American Beauty, Special	12.00	to 13.00	12.00	to 13.00
" " Fancy and Extra	8.00	to 12.00	8.00	to 12.00
" " No. 1 and culls	.50	to 1.00	.50	to 1.00
Russell, Euler, Mock	.50	to 1.00	.50	to 1.00
Hadley	.50	to 1.00	.50	to 1.00
Arenberg, Hoosier Beauty	.50	to 1.00	.50	to 1.00
Ward	.50	to 1.00	.50	to 1.00
Killarney, Radiance, Taft	.50	to 1.00	.50	to 1.00
Ophelia, Sunburst, Hillingdon	.50	to 1.00	.50	to 1.00
Key	1.00	to 1.50	1.00	to 1.50
Carnations	.25	to 1.00	.50	to 1.50

GROWERS' CUT FLOWER COMPANY

WHOLESALE FLORISTS
129 West 28th Street
Tel. 6237 Farragut
3563
E. J. VAN REYPER, Mgr.

WALTER F. SHERIDAN

Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

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LILIES EVERY DAY
51 W. 28th Street, New York
Telephones, 420-421-422 Mad. Sq.

Frank H. Traendly Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists
436 5th Avenue, Between 26th and 27th Sts., New York
Telephones: 797, 798, 799 Farragut
Consignments Solicited

HERMAN WEISS

WHOLESALE FLORIST
Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.
130 West 28th Street, Tel. Farragut 634,
NEW YORK.

TO THE

INTERESTED FLORIST — A Crisp Catalog — Its Yours for the Asking

We should like to send you a catalog telling you all about Supplies. Just drop a line to our Florist Supply Department.

PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street, PITTSBURGH, PA.

Visitors' Register

Montreal, P. Q.—Patrick Welch, Boston.

Boston—David Smith, Stranraer, Scotland.

Buffalo, N. Y.—Joseph Streit, Detroit, Mich.

Springfield, Mass.—J. K. M. L. Farquhar, Boston.

New York—C. J. Speelman, Jr., Sassenheim, Holland.

Cleveland, O.—I. Rosnosky, repr. H. F. Michell Company, Philadelphia.

St. Louis—Paul Berkowitz, repr. H. Bayersdorfer & Co., Philadelphia; Sam. Levine, New York.

Philadelphia — J. I. McCallum, Scholtz the Florist, Charlotte, N. C.; Will Rehder, Wilmington, N. C.; Harvey Sheaf, mgr. Mrs. Williams, Pittsburgh, Pa.

Chicago—J. J. Karins, H. H. Dreer's, Philadelphia; R. R. Davis, Morristown, Ill.; E. G. Hill, Richmond, Ind.; Miss Britz, Danville, Ill.; C. D. Kinsman, Austin, Minn.; John Gipner, Niles, Mich.; E. Blackman, Evansville, Ind.; Emil Johnson, Manisteque, Mich.; Mr. and Mrs. B. H. Ives, Albuquerque, N. M.; Ray Jones, Advance Co., Richmond, Ind.; C. C. Case, Prairie De Chene, Wis.; J. W. Ross, Centralia, Ill.

NEW FLOWER STORES.

Akron, O.—John Ahern, succeeding Norton, florist.

Pittsburgh, Pa.—Joseph Fineberg, Davis Arcade, 5th avenue.

San Francisco, Cal.—G. Madvig, O'Farrell, near Powell street.

New York, N. Y.—Miss A. T. Knowles, 230 8th avenue. Frederick Zahn, University Flower Shop, 2445 Jerome avenue.

NEWS NOTES.

Baltimore—Richard Vincent, Jr., was the speaker at the regular weekly luncheon of the Rotary Club at the Hotel Rennert. Mr. Vincent delivered an interesting talk on The Florist Industry of Maryland. Too much cabbage and too little of flowers in the yards of Baltimore homes is detracting from the beauty of the city and the aesthetic tastes of the inhabitants, according to Richard Vincent. He added that the flower industry "looked dark" for the future and advised Maryland to take her place as a horticultural leader, instead of depending on other states for her flowers.

PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M. TELEPHONE MAIN 2698.

J. K. ALLEN, WHOLESALE COMMISSION FLORIST

Always Ready to Receive Consignments and Can Market Them Satisfactorily. Wanted Specially, Early Peonies, Gladioli, etc., for Spring Trade.

A Clean Record For Thirty Years

118 West 28th Street, - - - NEW YORK

Telephones: 187 and 3058 Farragut

NEW YORK QUOTATIONS PER 100. To Dealers Only**MISCELLANEOUS**

	Last Half of Week ending Sept. 15 1917	First Half of Week beginning Sept. 17 1917
Cattleyas.....	75.00 to 100.00	75.00 to 100.00
Dendrobium formosum.....	..... to 50.00	..... to 50.00
Lilies, Longiflorum.....	3.00 to 5.00	3.00 to 5.00
Lilies, Speciosum.....	1.00 to 3.00	1.00 to 3.00
Lily of the Valley.....	3.00 to 8.00	3.00 to 8.00
Snopdragon.....	1.00 to 2.00	1.00 to 2.00
Gladioli.....	.50 to 2.00	.50 to 3.00
Asters.....	.25 to 1.00	.25 to 2.00
Chrysanthemums.....	12.00 to 20.00	12.00 to 20.00
Sweet Peas.....	.15 to .50	.15 to .50
Marguerites.....	.25 to .50	.25 to .50
Gardenias.....	20.00 to 50.00	20.00 to 50.00
Adiantum.....	.25 to 1.00	.25 to 1.00
Smilax.....	6.00 to 8.00	6.00 to 8.00
Asparagus Plumosus, & Spruce (100 bunches).....	10.00 to 20.00	10.00 to 20.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

Address Your Shipments to

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111 W. 28th St., NEW YORK

D. J. Pappas, Pres.

CONVENTION VISITORS WELCOME

HENRY M. ROBINSON CO. OF NEW YORK**WHOLESALE FLORISTS**

55-57 West 26th Street

Telephones, 13-8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

Established 1886

Tel. 561 Farragut

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Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New England Grown Novelties.

**REED & KELLER**

122 West 25th St., New York

Florists' Supplies

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Decorative Glassware, Growers and Florists' Requisites

Beechwood Heights Nurseries

Importers and Growers of

ORCHIDS

Cut Flowers of All the Leading Varieties in their Season.

THOMAS YOUNG, Jr., Proprietor,
BOUND BROOK, N. J.

Local and General News

BOSTON.

P. L. Carbone, who has been in Italy since last January, is expected home about October 1.

H. R. Hackel and Henry Silvey, employees of H. M. Robinson & Co., have both "joined the colors."

S. G. Smith, who has been managing Carbone's Hyannis business, has enlisted in the British army.

Patrick Welch, pioneer commission florist in Boston, will round out forty years in the wholesale flower business on October 10.

The annual dinner of Carbone's Co-operative Club was held at the Thorndike hotel on Saturday evening, September 8. Between forty and fifty participated and it was a very enjoyable affair.

Peter M. Miller is about to take a two-weeks vacation, first to Newport and then to Bar Harbor by auto. Mrs. Miller will be the guest of Mr. and Mrs. Andrew Dorward at Newport during Mr. Miller's absence.

Mr. and Mrs. Thomas J. Grey have returned from an extended vacation in the Adirondacks and Cape Cod, and we regret to learn that both of them, Mr. Grey in particular, were sick during most of the time.

The project to install a rose garden in the Arnold Arboretum as favored by Professor Sargent, appears to meet with much popular approval. If undertaken, the garden will be the most complete and elaborate in this country.

It is estimated that in the school children's gardens in Franklin Park alone over 6,000 quarts of Boston beans and 2,000 bushels of potatoes will be harvested this fall, which indicates that the project has been a success.

We saw a shipment of lily of the valley this week at P. Welch's which was a striking reminder of the old-time quality but which has been totally absent from all markets for the past year or more. It was grown by Carl Jurgens of Newport and well worth the price set on it, \$10 per 100.

The Boston Mycological Club, has exhibits every Monday at the Food Facts Bureau, 69 Bedford street, with experts in attendance who will tell inquirers whether or not certain kinds are edible. The exhibit is held from 12 until 3 o'clock in the afternoon. Edible and poisonous mushrooms will be exhibited and the differences will be shown at each meeting.

The Park Commission has appropriated the sum of \$25,000 from the Parkman fund for the rearrangement and replanting of the borders of the parkway between Franklin Park and the Fenway. The fine red oaks planted by the late J. A. Pettigrew have at-

CLASSIFIED DIRECTORY

Advertisements in this Department, Ten Cents a Line, Net

BULBS

C. KEUR & SONS, HILLEGOM, Holland. Bulbs of all descriptions. Write for prices. NEW YORK BRANCH, 8-10 Bridge St.

CARNATION PLANTS

CARNATIONS: Harry Fenn and Lawson \$5.00 per 100. White and Pink Enchantress Philadelphia. Matchless, \$6.00 per 100. Cash CHAS. H. GREEN, Spencer, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post-paid. I. L. PILLSBURY, Galesburg, Ill.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell. Stock For Sale. JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

GLASS

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

tained such size that the shrubbery under and between them, now overgrown and superfluous, will all be removed and some low ground cover, as Xanthorhiza, will be planted. This will be a great improvement.

NEW YORK.

All are glad to see W. P. Ford back in his office again, after his experience in the hospital.

Charles L. Bartlett succeeds Richard Webber in the florist business at 413 E. Tremont avenue, Bronx.

Geo. L. Stillman has been making a display of dahlia blooms in the store windows of Alex. McConnell which has attracted much attention.

The directors of the New York Cut Flower Exchange will hold their autumn meeting on Saturday, October 6, at No. 1 Queensboro Plaza, Long Island City.

D. G. Wiegand Bruss, who has been in the United States on a business tour for several weeks, sailed for home on the S. S. Nieu Amsterdam, Thursday, September 20.

Two greenhouses to cost \$100,000 will be erected for the botanical garden in Bronx Park. One of these will be 49x170 feet and the other 30x106 feet. Plans are by Brinley & Holbrook, architects.

Practically all vacationists are now home again and on deck—proprietors, clerks, chauffeurs and errand boys. All that is needed now to make life one sweet song, in wholesale and retail circles alike, is a stirring up of

GOLD FISH

Gold fish, aquarium plants, snails, cacti, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 1815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

PEONIES

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

ROSES

Roses, Canna and Shrubs. THE CONARD & JONES COMPANY, West Grove, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAOBB & HURRELL, Summit, N. J.

VEGETABLE PLANTS

PARSLEY PLANTS, triple curled, 75c. hundred; \$3.50 thousand. Also Brussels Sprouts, Lettuce, Holt's Mammoth Sage, Rhubarb, Asparagus Plants. Catalogue free. HARRY D. SQUIRES, Good Ground, New York.

VINES

Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Hissarlik Nursery, New Rochelle, N. Y.

WIRE WORK

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

trade. That "publicity campaign" cannot get under way any too soon.

ST. LOUIS.

The St. Louis Florist Club held its meeting on Sept. 20 with Wm. Denker at St. Charles.

August Hummert, with the St. Louis Seed Co., is on the committee for the National Flower Show.

George Boerner, for nine years with the late Alex Siegel in the floral department at Wolf-Wilson Drug Co., who has started in business for himself is a young man with good knowledge of the florist business. He is assisted by his sister who has also had good experience.

WANTS, FOR SALE, ETC.

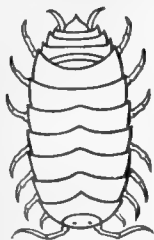
Advertisements in this column Ten Cents a Line. Cash with order. All correspondence addressed "Care HORTICULTURE" should be sent to 147 Summer St., Boston.

HELP WANTED

WANTED—Experienced greenhouse man for general line of pot plants and cut flowers. State wages wanted and give references. Address DEAN & COPELAND, Dedham, Mass.

WANTED—A clerk, either man or woman, in a first class retail flower store, suburb of Boston. Must be an experienced salesman and have good taste in the arrangement of flowers. References required. Address "F. E. P." care HORTICULTURE.

SOW BUGS versus SLUG SHOT



After reading the article headed "An Army of Sow Bugs," in the Review for May 10, it occurred to me that the growers whose stocks have been attacked by Sow Bugs might be interested in the remedy I used successfully in exterminating these pests some time ago. I had a good crop of Sow Bugs in my Carnation house and asked Mr. Benjamin Hammond, of Beacon, N. Y., for a good exterminator. Mr. Hammond recommended one of his preparations—SLUG SHOT—and told me to dust it between the plants, under the benches and along the walks. I did so and the results were gratifying. The bugs were cleaned out in short order, and I certainly recommend SLUG SHOT to every Florist who finds these bugs in his houses. ALEXANDER A. LAUB, Florist. New Hamburg, N. Y., May, 1917.



HAMMOND'S SLUG SHOT was first tested against SOW BUGS at Nyack, N. Y., in 1885, and it holds good

HAMMOND'S PAINT AND SLUG SHOT WORKS

Beacon, N. Y., U. S. A.

SOLD BY SEED DEALERS OF AMERICA

CHICAGO.

The show window at A. Lange's contains an attractive display of nymphæ, which flowers he receives regularly from Washington, D. C.

Last year Chicago had a cut flower commission house operated by Japanese in the Atlas Block, and this year it is expected that another will open

a retail store in the downtown district.

If asters were orchids and brought their price there are several growers who would cease to worry over the empty coal sheds. This week they are reported as "more plentiful" and sell at \$1 wholesale.

The American Greenhouse Co. is using their new factory at Pana, Ill., and stocking up with wood and other material. They are now building two new pipe-frame houses, 22x108 feet, for Ward B. Davis at Oshkosh, Wis.

Mr. and Mrs. H. Wullbrandt, 5315 W. Madison street, have returned from an auto trip through the west. The car has not returned yet but Mr. Wullbrandt says he will go after it later when the Iowa mud has had time to dry up.

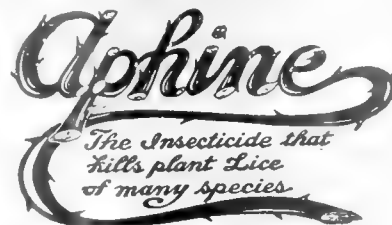
Almost 100 per cent. of the men making up the office force at Poehlmann Bros. have been called to the service of their country. Clarence Enders, son of John Enders, foreman of the shipping department, and only 20 years old, is in the 2nd Artillery and writes his father that life at Houston, Texas, is very pleasant now. George W. Anderson is with the Aviation Corps in Canada. Morris Singer and Sam Cohen have received notice to be ready at any time. James C. Butler has been drafted and expects to go when called. He has served 13 months in Troop F, 1st Cavalry, I. N. G. Mr. Colligan, house salesman at Poehlmann Bros. for two years, was called to the colors Wednesday.

CINCINNATI.

E. G. Gillett leaves on Wednesday on a business trip through northern Ohio, Indiana and Michigan.

The E. G. Hill Floral Co., Joe Enneking and Fred Gear each shared handsomely in this week's fall opening decorations.

Chas. Windram is now in the U. S. Aviation Corps. He passed the physical examination on Monday and is ordered to leave for the east on Saturday of this week.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

FUNGINE

For mildew, rust and other blights affecting flowers, fruits and vegetables.

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For eel worms, angle worms and other worms working in the soil.

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Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

½ Pint, 25c.; Pint, 40c.; Quart, 75c.;
½ Gallon, \$1.25; Gallon, \$2; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50.
Directions on package.

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Quarts, 55c. Gallons, \$1.65
Fives, \$6.50

Try with 24 parts water. Often effective weaker.

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Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogues
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
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Obituary

Mrs. V. Bezdek.

Mrs. Bezdek, wife of V. Bezdek, Gross Point, Ill., died on Friday, Sept. 7. She leaves a husband and five children.

Alexander MacDuff.

Alexander MacDuff, 74 years old, a landscape gardener of Plainfield, N. J., died at his home there on Thursday, September 13.

Mrs. Allen James.

Mrs. James, widow of the late Allen James, a well known grower of asparagus plumosus foliage and seeds at Yalaha, Fla., died at Asheville, N. C., on August 15. Mrs. James had been conducting the business since the death of her husband. She was a native of England.

Julius Niednagel.

Julius Niednagel, engaged in the florist business in Evansville, Ind., for thirty years, died in that city on August 30, after a protracted illness, aged 68 years. He was a native of Baden, Germany, coming to this country at the age of 20 and serving in various positions in New York, Cincinnati and Chicago before locating in Evansville. He leaves four sons and one daughter.

Irving Johnson.

Irving Johnson, one of Lexington's oldest residents and a farmer and market gardener for nearly 60 years, died on Sunday, Sept. 16, in Lexington, Mass. Mr. Johnson was born in Ireland April 16, 1835, and was of Scotch ancestry. He came to this country when 14 years old, and worked in a large dry goods store in New York for a number of years. He came to Arlington in 1858 and engaged in farming, and, despite his 82 years, had been active up to within a few months.

Patrick Byrne.

Patrick Byrne, aged 89, more than half a century caretaker and gardener about Tufts College, Medford, Mass., died on September 15 at his home, 45 Stearns avenue. He had been failing

in health for the past few years. He was associated with Tufts College when it had only 26 students. Mr. Byrne was a native of Ireland and came to this country when 20 years old. He entered the employ of Tufts in 1861 as the "college farmer." He was twice married and four of his six children survive him.

F. C. Bartels.

F. C. Bartels, superintendent of the J. M. Gasser Co., greenhouses at Rocky River, Ohio, a life member of the Society of American Florists since 1899, and widely known and respected by the florist trade of the state was shot to death on Saturday, September 15, by a masked man fifteen minutes after he arrived home from a bank with \$700 to pay off thirty-two employees in the greenhouses. The gardener's slayer, however, fled without taking the money. Not robbery, but desire for revenge by an employee he had discharged, was believed to have been the motive for the murder. The assassin was undoubtedly familiar with the interior of Bartels' house and everybody in the house. The fact that he did not utter a word probably means had he talked his voice would have unmasked him.

Mr. Bartels was a very industrious and capable manager. He was a brother-in-law of the late J. M. Gasser. The funeral took place on Monday, Sept. 17.

NEWS NOTES.

Johnstown, N. Y.—The Larcome Greenhouses have been sold to John Ramsden.

Columbus, O.—The Columbus Floral Company has been purchased by Weiant & Son of Newark, O.

Washington, D. C.—On Wednesday, September 19, Miss Verona May Schmid, niece of Grand Monarch Edward S. Schmid, and daughter of Prophet Alex Schmid, was united in matrimony to Harry H. Kidwell, son of H. C. Kidwell, by the Rev. John T. Huddle, pastor of the English Lutheran Church. The high and lofty titles borne by the respective father and uncle are due to the official connection of these gentlemen with the "Kalipolis Grotto, Mystic Order of the Veiled Prophets of the Enchanted Realm," an organization which includes in its ranks most of the florists of Washington. Mr. Schmid is an old-time florist and birdman.

A. F. Koehle, formerly of Sherman, Texas, is going into business as a grower in Urbana, Ohio.

GREENHOUSES BUILDING OR CONTEMPLATED.

Cincinnati, O.—Frank Vogt, one house.

Hinsdale, Ill.—Alexander Legg, conservatory.

Oakland, Me.—Wm. N. Savage, house 30x150.

Roxborough, Pa.—Gustav Koethe, house 27x100.

Ottawa, Ill.—Davis & Co., cucumber house 86x900.

Norwood, Pa.—Macaw Bros., Lord & Burnham house 36x150.

Denver, Col.—Elitch-Long Greenhouses, house 35x75 and propagating house.

R. I. HORTICULTURAL SOCIETY.

The annual September show of the Rhode Island Horticultural Society held last Thursday and Friday at Providence, was a splendid exhibition in spite of numerous difficulties which the exhibitors were forced to bear. Sharp frosts in some sections nipped the efforts of some growers, but the showing, nevertheless, was most successful, staged under the direction of E. K. Thomas of the R. I. State College. The following awards were made in the commercial and professional growers' classes:

50 cactus C. Louis Alling; 24 cactus—William Steel; 12 cactus—1st, W. D. Hathaway; 2nd, Nellie J. Jillson; 24 decorative—1st, Nellie J. Jillson; 2nd, C. Louis Alling; 12 decorative—1st, W. D. Hathaway; 2nd, Nellie J. Jillson; 12 show and fancy—1st, Nellie J. Jillson; 2nd, W. D. Hathaway; 12 peony-flowered—1st, Nellie J. Jillson; 2nd, W. D. Hathaway; six peony flowered—1st, Nellie J. Jillson; 2nd, William Steel; 12 pompon—1st, W. D. Hathaway; 2nd, C. Louis Alling; collection of 100, any varieties—1st, Nellie J. Jillson; 2nd, C. Louis Alling. Johnston Brothers' display of floral baskets was awarded 1st, as was the display of pottery of Mathew MacNair. Thomas Brook took a prize for his rose display. Gratuities were awarded to W. D. Hathaway for collection of dahlias, and Thomas Hope and Nellie J. Jillson for flower display. Special premiums: Offered by W. S. Pine for collection of garden annuals—Mrs. C. L. Waite; by Joshua Vose for 5 peony flowered dahlias—Albert H. Poulton; William Steel for 10 cactus dahlias—Albert H. Poulton; Mitchell's Seed House for exhibit of vegetables—William Hewitt. Numerous awards were made in the amateur and children's classes.

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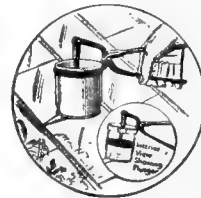
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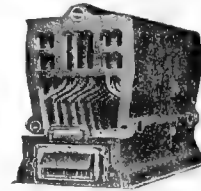
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Reel of 500 ft. " 16 1/2 c.
2 Reels, 1000 ft. " 16 c.
1/2-inch, " 15 c.
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Couplings furnished

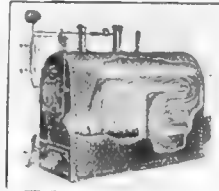
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In the case of the large house, the roof members are so far above the ground which they cast is widely separated that distance. By the time it is scarcely noticeable.

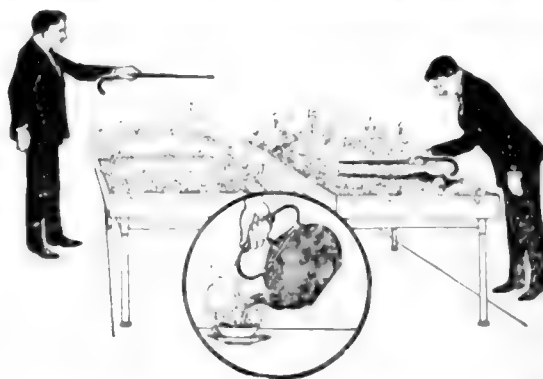
In the case of the small house, the roof is so much closer to the shadows are thrown by the trees.

Another illustration is the holding has come over the bench and the shadow is being out.

In the case of the small house, the shadow is being out two feet above the bench; the shadow is being out.

Another illustration is the shadows. In the left hand of the wide greenhouse, the shadow is being out by the distance through the greenhouse is scarcely perceptible.

In the case of the small house, the shadow is being out and bench is too short to be out. It is heavy and intense.



Another illustration is the diluting of a cup of tea. The more hot water you pour into the cup, the weaker the tea gets. The more distance you put between the object that casts the shadow and the object the shadow falls on, the weaker the shadow is.

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Vol. XXVI
No. 13
SEPT. 29
1917

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THE FLORISTS' WINTER PLANT PROBLEM

We are confronted with a situation today such as has never before entered into the history of the flower business. Owing to conditions of war there seems to be no prospects of any plants coming from Europe as in the past and a greatly reduced number of bulbs. The question arises now what is best to fill the vacancies in this line.

For Christmas trade every grower should prepare with such plants as cyclamen, begonias, primulas, peppers, cherries, oranges, palms, ferns, crotons, ardesias, poinsettias, euphorbia, chorizema, to fill the demand.

For mid-winter and Easter season, the French hydrangea could be used to great advantage, also many of the previous mentioned articles will fill many of the gaps. Marguerites are a splendid thing to use in 5 in., 6 in. or 7 in. pots. Lilies seem to be (at least part of them) on the way but with the increase of cost on freights they no doubt will be scarce. Genistas, pot roses, calceolarias and heaths are splendid for early and mid-season and many other things could be started from seed now. Of course, we must have things that are produced in this country and it will be up to each grower to find ways and means in the pot-plant line to fill the vacancies. Much of that material can be procured now in small sizes and grown on while the weather is mild, and this should be done as quickly as possible to be on the safe side.



Waverley, Mass.

The present situation and out-look in regard to forcing supply of Dutch bulbs threatens to be one of the most serious blows the florists have received so far. In plants such as azaleas and other varieties the trade had some conception considerable in advance that none would come and most growers immediately started to fill the gap with cyclamen, poinsettias, peppers, hydrangeas, cherries, primulas, heathers and other varieties to meet the shortage but in bulbs it's different. We shall miss our pans of tulips and hyacinths and spring flowers (as most bulbous flowers were termed) coming in during the winter and spring months. To most florists a crop of bulbous flowers from Christmas to Easter was their principal mainstay to have flowers on hand. A great many, especially those not having facilities to grow roses or carnations on a large enough scale to meet their requirements, will suffer most as they are most dependent on the bulbous flowers, also it will have its effect on the retailer as nothing was so welcome to the retailers as the great variety bulbous flowers afford. They relieve the monotony of the all-year roses and carnations. Their appearance bright-

ened up the florists' shops helping to create a feeling of a short mild winter and to look at them in their profusion many a time took the harshness out of a cold blizzard day. Many a grower will be the loser in not getting his full supply of bulbs and the retailer likewise will surely miss them.

It has been customary to use a great many bulbous flowers, especially in larger cities, for spring openings and many of the varieties such as daffodils and tulips, especially the Darwins were great favorites among flower buyers. We have found a substitute for lily of the valley in sweet peas and swainsona, but it will be hard to substitute on tulips, hyacinths, daffodils, etc.

There always has been some difference of opinion as to the effect of bulb stock on the market. Some growers assert that if no bulbous flowers were on the market much better returns would be gotten on other stock. That may be true to some extent but the public is always looking for something different and one thing helps sell another and getting back to the same thing all the year round would also have its set-backs in many ways. If the growing of bulbous stock is kept within reason and not overdone, to keep the market from becoming glutted, the growing of bulbs should be profitable to the grower and a great help to the retailer. Also a big loss will be sustained by many on account of the loss of fall planting out doors and we will sadly miss their graceful and artistic beauty as our harbingers of spring.



Milwaukee, Wis.

Although I have been out of the plant trade for a good many years I do wish to see this country independent of the other side with plants or bulbs, and the sooner the better. A way should be found to produce in our vast country anything needed in our markets.

C. W. Ward has shown us that azaleas and bulbs can be grown here and if our government would co-operate with us and allow enough cheap labor to come in and help us to develop this new industry it would be a good thing, a great step forward. The S. A. F. & O. II., should take up this matter and work out a plan.

With hydrangeas, French and Otaksa, solanums, primulas of all sorts and a lot of other plants that can be made available for our markets we should be able to get along very well without the usual importations of former years. We have many sorts of plants that can be developed to take the place of the imported stock, but it seems to me that we have gotten into a rut and just depend on the importations, because it was easier.



Gibsonia, Pa.

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The florists' winter plant problem

Since it became evident that the customary supply of forcing material from abroad was not to be had for the coming season HORTICULTURE has received many inquiries on the subject and a number of timely communications from well-known growers with suggestions as to the best means of meeting the situation which is thus forced upon the trade. The outlook for at least a partial supply of Dutch bulbs has improved most decidedly within the past few days as indicated in our news columns this week but there seems no possibility of the receipt of nursery stock as in past years—absolutely nothing from Belgium. The communications from several plant growers who have been giving much thought to the problems thus created, which we are privileged to pre-

sent in this issue, merit careful perusal. "Forewarned is forearmed." Now is the time to lay plans ahead for the coming day of famine and enhanced prices.

The present and future seed supply

The situation as regards seed supply in this country is sufficiently desperate to furnish a powerful stimulant to the home production on a big scale of field and garden seeds of the highest quality, more especially those on which European growers have held a monopoly in the past. It will be, at best, some years before we may expect our American growers to attain the efficiency with which the specialized business of seed growing and selection has been carried on in the European countries, but we hardly need say that unless a beginning is made nothing can ever be accomplished, and it is safe to say further that the opportunity and the recompense will never be any more inviting than they are now. All our advices show that the situation as it now looms up for the coming season will test the courage and the business ability of the American seedsman to the limit. A sufficient supply of reliable quality seeds in many of the crops most likely to be demanded for next season's planting, or any adequate recuperation of stocks that were depleted or in many instances entirely exhausted by the unprecedented increase of acreage devoted to field crops and garden vegetables last spring, is obviously out of the question, and the matter of market values thus becomes a very hard nut to crack. Supply, quality and prices are "in the air" and on all these points the seedsman has his work already cut out ahead for him, if we read the signs aright. There will be a very embarrassing shortage in many kinds of flower seeds as well, but the deficiency as regards garden vegetables will, of course, be most keenly felt. It remains only for our seed growers to apprehend and grasp in a large industrial way the world-wide exigency and golden opportunity as now shaping up. As a stable and remunerative business for the immediate future, that of specialized seed production in America stands second to none.

The colleges should help

Meditating on the situation as referred to in the foregoing, the thought comes as to what our State Agricultural Colleges are doing, might do or should do, to prepare young students and equip them with the knowledge required for a successful career as seed growers. It is a well-known fact that only a relatively small percentage of our Massachusetts College graduates decide to follow agriculture as an avocation, and presumably this is also the case elsewhere. Instead of being so anxious to place the young men as inspectors and in other public positions these institutions could do much to recoup the State for its expenditures for educational purposes by instructing them in the art of seed growing and thus fitting them to engage in an industry not only highly profitable to themselves but which would result in creating a high standard of cultivation and would eventually add immensely to the much needed material for planting purposes. The wide variety of soils to be found all along the eastern edge of our country from Pennsylvania to Maine and especially the light gravelly soil so prevalent in large sections of New England is said by those who understand it to be particularly adapted to the seed growing industry. Once put in motion in a comprehensive and constructive way the practical value of such a course would soon be convincingly demonstrated. Let no time be lost.

The Publicity Question

At the National Convention of the S. A. F. held in San Francisco, August, 1915, in my address to the members present, I called attention to the publicity question as follows:

"It is needless to point out the value of publicity for the dissemination of proper knowledge, and educating the public in the more general use of horticultural products. It is necessary for the Society to organize a Publicity Bureau, whose work would be along the lines of a campaign, directed primarily for the annual increase of the sale of flowers, plants and plant products through new and varied channels, and also to take means to prevent any society, corporation or individual from decrying the use of these products for special occasions. We very often learn of reports of attempts made to discourage the use of our products. Such cases should be taken up by the publicity bureau, and every means possible taken to offset the effects of such adverse influence.

"I am very much in favor of a standing committee of five members, whose duty it shall be to co-operate with the retailers, wholesalers and producers, so that our business shall be brought before the public in a much more favorable and effective light than it has been in the past. We should have recourse to the leading daily papers throughout the country, which I believe will gladly publish from time to time articles on commercial floriculture. This will have a wonderful effect, for it will bring before the American people the merits of our business and the enjoyment derived from the use of our products. The hour has come when we should give this question our best thought and action. I think greater benefits can be secured from aggressive work of this nature than any we can engage in. I feel that the results would justify a reasonable expenditure annually for the maintenance of such a committee."

At the meeting of the S. A. F. Executive Board held in Philadelphia, March, 1916, the by-laws were amended to create a committee of five on publicity. This committee was made permanent by the act of the Convention held at Houston, Texas. Not until this year has any practical work been done. Under the guidance of the chairman, Mr. Therkildson, the work at the New York Convention has taken on a practical and effective form, something we have been trying to do for thirty years. The members present at the New York meeting subscribed about \$15,000, showing a splendid spirit of co-operation. All those who make a business of floriculture ought to do their part by contributing to this fund. The committee needs about \$50,000 of which the above named sum has already been raised.

We should all unite and give our support to an enterprise of this kind; the beneficial results of such action taken at this time can hardly be estimated. The list is now open. Let us hope that every florist who can afford it will give some amount to keep up the good work. Indirectly you will get it back ten-fold.

Patrick Welch

Boston.

The Propagation of the Tree Peony

At the summer meeting of the Minnesota Horticultural Society a gentleman showed a great golden flower of the tree peony about as large as a dinner plate. But he said that by no known process was he able to propagate it. The French have a way of making it grow

on the chinensis. He had tried that and also grafting on the root of its own class, but could not make it work.

Years ago I was interested in this Moutan or tree peony. It is fine where it does well. Mrs. Harding, in her new work on the peony gives this a large place and has made an exhaustive study of its history. But it is worthless in most parts of the United States and has been the cause of much disappointment and disgust. If left in the open like other peonies, you stand a chance to get a bloom once in about ten years. I know one man who puts a barrel over his plant in the fall and fills it with leaves and takes them off when the danger of frost is past.

In propagating I told this gentleman how to do it. Take a vigorous Moutan and after a year or two it shows a tendency toward cleavage, something like *Edulis Superba*. Separate these roots, take a bit of root with a stem attached and let it grow to develop a good plant, then in early spring graft at the crown with splice graft. Wind well with waxed thread as the nurseryman does his apple grafts. Be sure the stock and scion are not injured by the cold of winter. After grafting and winding, wax the whole thoroughly and you have a sure thing of it. By grafting at the crown you can make it throw out roots of its own.

In nine locations out of ten you will be disappointed. I don't want anything which has to be coddled all the time when I can get just as good that will grow above the Arctic Circle. I was shown a clump of peonies in Manitoba that had no covering but its own tops and the snow, which had 60 fine large flowers. That is the kind people want. I have had a Moutan twenty years and it has had one bloom in all that time. I just keep it to let people know what it can't do.

Dividing Peony Roots

Will peony roots grow that have no buds on them? Yes and no. Separate the root from the clump and break it in the center, and though it may try hard for three years it cannot make a head—that is, the lower portion. On the other hand, take a peony with good cleavage like *Edulis superba*, break off the roots from the clump, and every one will grow. I have tested this time and time again. Not all kinds will do this, but many kinds will.

The middle of September you take a clump of Queen Victoria with about buds enough in sight for three divisions. You bury this in a warm, moist place and November 1st dig it up and you will find what are termed adventitious buds all over the root system. You will often find a dozen of these extra buds thrown out and the proposition three to five eyes can easily be met. But three to five eyes is a poor test. You can develop too many buds for the root. I had much rather have a strong root with one bud than a little root with five or six buds. Then the top enfeebles the root and it will often take years to restore the proper balance of root to top.

C. S. Harris.

York, Neb.

All the retailers in Cleveland are urged to attend the F. T. D. meeting in Detroit on October 2nd and 3rd, and it is suggested that they can plan to attend the club meeting and go direct to the D. & C. boat after the meeting. It is expected that Cleveland will be well represented by a very large party in Detroit.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

At the regular monthly meeting of this society in Greenwich, Conn., Sept. 14th, there was a very good display on the exhibition tables, for which the awards were as follows: Very highly commended, to P. W. Popp for a fine basket of dahlias; high commendation to Wm. Graham for melons "Miller's Cream" and to Robt. Grunert for vase of *Hydrangea paniculata*; honorable mention to John Andrews for *Campanula pyramidalis* and to Alex. Clarkson for *Ophelia* roses. The 1st prize for vase of outdoor flowers arranged for effect, open to assistant gardeners only was won by James Tough, 2nd Alex White, and 3rd Wm. Frame.

Robt. Williamson was elected manager for the fall show which is to be held under the auspices of the Greenwich branch of the Red Cross, in the Armory on Oct. 31st and Nov. 1st. P. W. Popp gave a very interesting talk on Dahlia Culture.

ALEX CLARKSON, Cor. Secy.

ROCHESTER FLOWER SHOW.

(See Cover Illustration.)

The Rochester florists have been in the van right along in the effort to make their floral exhibitions artistic and harmonious as a whole—something more than a commonplace array of florists and gardeners' products and they have set an example worthy of emulation on every occasion where they have made the attempt. This year's results showed that the Rochester florists have not forgotten either their ambition or their skill. The lily pool which we illustrate in this issue was one of the very popular attractions of the exposition. It was planned by Charles H. Vick and George Cramer, the latter doing the actual work of arranging. The water lilies were supplied by Henry A. Dreer. It was admired by thousands of visitors during the week.

AMERICAN DAHLIA SOCIETY.

We have in type the address of President Vincent and report of Secretary Dick at the meeting in New York, but must defer their presentation until next week on account of lack of space. The treasurer's annual report showed a healthy financial condition with a cash balance of \$466.15.

HORTICULTURAL SOCIETY OF NEW YORK.

A Dahlia Show was held by this society, in co-operation with the New York Botanical Garden, in the Museum building of that institution, on Saturday and Sunday, September 22 and 23. It was a very successful exhibition. On Saturday there was a good attendance, and on Sunday a much larger one.

Following is the list of prize winners:

Open to All.

Collection, 1st, Alfred E. Doty; 2d, C. Louis Alling; 3d, Mills & Co.

12 Cactus, 1st, Mrs. H. Darlington, gard. P. W. Popp; 2d, C. Louis Alling; 3d, Alfred E. Doty.

12 Peony-flowered, 1st, Mrs. H. Darlington; 2d, C. Louis Alling; 3d, Mills & Co.

12 Decorative, 1st, C. Louis Alling; 2d, Mills & Co.; 3d, Alfred E. Doty.

12 Show or Fancy, 1st, Alfred E. Doty; 2d, C. Louis Alling; 3d, Mills & Co.

12 Pompon, 1st, Mills & Co.; 2d, Alfred E. Doty; 3d, C. Louis Alling.

12 Single or Collarete, 1st, C. Louis Alling; 2d, Alfred E. Doty; 3d, Mrs. H. Darlington.

Vase arranged for effect, 1st, Mrs. H. Darlington; 2d, Mills & Co.; 3d, C. Louis Alling.

Non-Commercial Growers.

Collection, 1st, Wm. J. Matheson, gard. Jas. Kirby; 2d, Mrs. H. Darlington; 3d, Dr. M. A. Howe.

6 Cactus, 1st, Mrs. H. Darlington; 2d, Thos. P. Hollingsworth; 3d, Dr. M. A. Howe.

6 Peony-flowered, 1st, Mrs. H. Darlington.

6 Decorative, 1st, Mrs. H. Darlington.

6 Show or Fancy, 2d, Dr. M. A. Howe.

6 Pompon, 1st, Wm. Shillaber, gard. J. P. Sorenson; 2d, Mrs. H. Darlington; 3d, Thomas P. Hollingsworth.

6 Single or Collarete, 1st, Mrs. H. Darlington; 2d, Dr. M. A. Howe; 3d, Thomas P. Hollingsworth.

Special Prizes.

Rev. W. G. Wyckoff, for seedling peony-flowered Dahlia Mrs. Pfister, certificate of merit.

Cedar Hill Nursery, display of flowering shrubs and herbaceous plants, cash.

GEO. V. NASH, Secy.

The fifth annual exhibition of the Central New York Horticultural Society was held at New Hartford, on September 13, and was well attended by the people of New Hartford and vicinity. Many excellent vegetables were shown and the fine display of asters and gladioli gave the exhibit a most pleasing appearance. No cash prizes were given this year, all prizes being in the form of ribbons. Following the announcement of prize winners the fruits, vegetables and flowers were sold, the proceeds being given to the New Hartford branch of the Red Cross.

NEW HAVEN COUNTY HORTICULTURAL SOCIETY.

Last week the New Haven County Horticultural Society held its 86th annual exhibition. The show was one of the very best ever held. President Vincent of the American Dahlia Society was the guest of the New Haven organization.

There were very friendly greetings for Secretary W. C. McIntosh, who had not been seen by the members for several months owing to severe illness. He spent several hours at the show on the two days of the exhibition.

The premium list was made up of eight Sections and 100 Classes. There was close competition for the 1st Class—Dahlias, 24 varieties, 1 flower of each: 1st prize, Jno. H. Slocombe, New Haven; 2nd W. D. Hathaway, New Bedford, Mass.; 3rd, A. E. Doty, Morris Cove. Spirited competition was continued in Section C, when the professionals were out in force. Fottler, Fiske & Rawson Co. prizes for Cactus or Hybrid Cactus, 18 blooms, 1 variety: 1st, A. E. Doty; 2nd, A. W. Davidson, Ansonia; 3rd, F. C. Sheldon, New Haven. Peter Henderson & Co. prizes for decorative, 18 blooms, 1 variety: 1st, W. F. Jost, East Haven; 2nd, Miss Nellie J. Jillson, Lakewood, R. I.; 3rd, A. W. Davidson, Ansonia. Carter's Tested Seeds, Inc., prizes for Show or Hybrid Show, 18 blooms, 1 variety: 1st, A. E. Doty; 2nd, L. B. Linsley, West Haven. J. M. Thorburn & Co. prizes for Peony-flowered, 18 blooms, 1 variety: Nathan A. Miller, Bradford; 2nd, Miss Nellie J. Jillson, R. I.; 3rd, A. E. Doty.

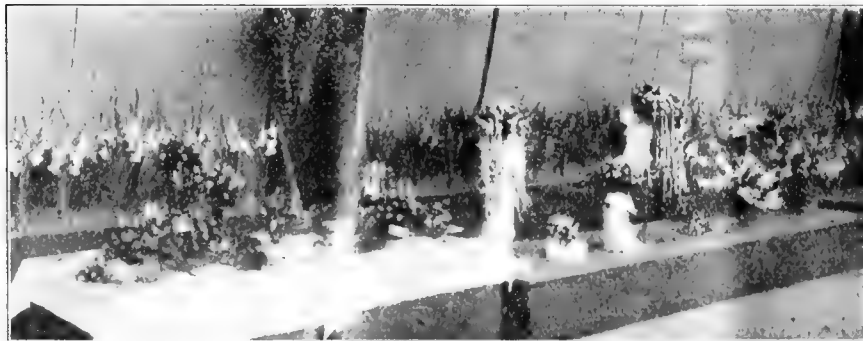
Certificates of merit for any superior new dahlia not introduced prior to 1915 were awarded to W. J. Rowe, New Haven; Miss Nellie J. Jillson; A. E. Doty and Nathan A. Miller. Award of recognition for any meritorious dahlia seedling from seed of 1917 was given Jno. H. Slocombe. The ladies' prize, for six dahlia blooms, was won by Mrs. Lyon, New Haven.

In Section D—Gladioli, six classes—Mills & Co., Mamaroneck, N. Y., made the highest number of points; Herbert F. Clark made second. There was four classes of asters in Section E: 1st, W. J. Rathgeber; 2nd, L. B. Linsley, W. J. Rathgeber carried off 1st for bees and honey.

The Sanderson Fertilizer & Chemical Co. prizes for best vase of 25 dahlia blooms, any or all types, showing stems and foliage, was won by A. E. Doty. George L. Stillman's prizes were won, 1st by Miss Nellie J. Jillson and 2nd by W. J. Rathgeber.

The State of Connecticut prize for one-half bushel of potatoes was won by David Kydd of West Haven.

The American Dahlia Society medals for a collection of fifty varieties, 1 flower of each, were awarded to C. Louis Alling (silver) and A. W. Davidson (bronze). The American Dahlia Society silver medal for collection of 25 varieties was won by Wm. Talbot of Whitteville. A silver medal of the American Dahlia Society was awarded Jno. H. Slocombe for the most meritorious exhibit of dahlias of American origin: 1st for centerpiece for table decoration was won by W. J. Rathgeber; 2nd by Walter Shaw.



RETAIL FLORISTS' EXHIBITS AT SYRACUSE, N. Y., FAIR
Showing Table Decorations and Bridal Work

Local and General News

BOSTON

INTERNET. WOOD. The late Roland have been the subject of the National Flower Show Committee in St. Louis.

James A. Galvin takes the place of Herman Hackel as salesman on the road for H. M. Robinson & Co. Mr. Hackel, who has filled the position for several years, has enlisted in a machine gun company.

The 46th exhibition of the Melrose Horticultural and Improvement Society was held in Grand Army Hall, Memorial Building, Friday, September 21. Fifty per cent of the receipts were donated to the Red Cross.

Eber Holmes, representing W. A. Manda, South Orange, N. J., is showing an attractive line of sample plants in the salesroom of Waban Rose Conservatories in Winthrop Square. Polypodium Mandalinum and other ferns, box trees in various sizes, box foliage, dracaenas, and other foliage plant stock are among the specialties shown.

Efforts by Cambridge residents, both grownups and school children, to help in overcoming the forecasted deficiency of garden products this winter were declared to be a success by representatives of wholesale seed houses at the first annual exhibit of garden products in the English High School building in Cambridge. The growing of flowers was also pronounced a success by Robert Cameron, head of the Harvard botanical gardens. The judges of garden produce were J. Henry Brackett and F. J. Willard.

The threatened scarcity of bright-flowering plants for Christmas this year is being prepared for in part at the Farquhar nurseries at Dedham with a large number of pot geraniums, including many brilliant new semi-doubles of striking beauty. There is a whole house of poinsettias and several houses of cyclamen. The Budleia-arched avenue through the big show house promises to be a wonderful sight when in bloom. Even thus early the shipping of shrubbery and hardy herbaceous plants is quite heavy and the vast packing and shipping room, 360 feet long and 45 feet wide, is full of activity. This spacious central structure, from which the greenhouses and executive offices stretch on either side, lofty, well-ventilated and lighted, with an area of cement floor approaching half an acre, is a model in its way and an invaluable part of the equipment of such an establishment.

CHICAGO.

California chrysanthemums, shipped by Japanese, are now being received here.

The Chicago Flower Growers' Association has added Herman Wallace to its sales force.

C. J. Michelsen, of the E. C. Amling Co., has returned from his annual

We are booking orders rapidly for the two sensational

ROSE NOVELTIES FOR 1918

Columbia and Ophelia Supreme

It is definitely known that there will be a shortage of Manetti so it will be a case of "first come—first served," on grafted stock.

Grafted, \$35 per 100. Own Root, \$30 per 100

CHARLES H. TOTTY,

MADISON,

NEW JERSEY

visit to the Rhinebeck, N. Y., violet growers.

Thistles are making a great hit with the buyers this week. They combine prettily with fall flowers in making up baskets.

Quite a large number are expecting to attend the meeting of the F. T. D. Monday at Detroit, leaving here Sunday at midnight.

The American Bulb Co. has added another salesman, D. W. Dumser, to the list of traveling men now representing this enterprising firm.

Mr. and Mrs. H. B. Kennicott have returned from Clearwater, Florida, where they have spent several weeks looking after their orange grove.

E. G. Hill of Richmond, Ind., is at the Presbyterian hospital where he underwent an operation last Saturday. It is reported that he is doing as well as can be expected.

Arthur Pasternick, who left work in the wholesale flower stores for farm life in Idaho in the spring, is now back and expects to leave at once for Rockford. Life in the open has greatly improved his health.

Chas. Poppe, gardener at Garfield Park, while on his way home Saturday, had a very narrow escape from serious injury or death in a motorcycle and automobile collision. Poppe's back is injured but it is believed that he is on the way to recovery.

O. Freese, manager of the wholesale store of Poehlmann Bros., tells a good story of the customer who telegraphed for 100 Mexican ivy or "Farleyense if you do not have the ivy." The customer received the Farleyense C. O. D. and learned the difference in price was something over eleven dollars.

The Woman's National Farm and Garden Assn. will hold a convention at the Hotel Morrison, Oct. 3, 4 and 5. They are assisted in their program by the North Shore and other Garden Clubs. The Ridge Women's Club is in a district noted for its great areas of glass devoted to flowers and vegetables and has a horticultural department assisting in making the convention a success.

The garden campaigns launched so

enthusiastically last spring could be revived now with profit and the slogan "plant your garden now" might read "harvest your weeds now." It is a sorry sight to see the vacant spaces in the city where last year grew plots of grass, now overrun with weeds going to seed. It is doubtful if the entire yield of potatoes equals the cost of planting and little children who formerly played in the vacant lots have had only the streets all summer.

NEW YORK.

D. Fexy has opened a new wholesale cut flower store at 106 West 28th street.

Richard Vincent, Jr., of Whitmarsh, Md., lectured before the Park Garden Club at Flushing on Wednesday, September 26, and at Lawrence, Long Island, on Friday the 28th.

R. W. Clucas, manager of the Palisades Nurseries, Sparkill, N. Y., has been seriously ill for some time and is still confined to his bed and as yet unable to attend to business matters.

Chas. L. Bartels of East Tremont avenue, writes that our statement of last week that he had succeeded Richard Webber was not correct. Mr. Bartels explains that he had been doing business as the Richard Webber Floral Department and that since the R. Webber firm's retiring from business he had leased larger space, taking a basement and two floors, 25x95, on a 10-year lease.

ROCHESTER, N. Y.

Max Pauliczek of Lyell avenue leaves for Camp Dix, Wrightstown, N. J., this week.

George Cramer is resting at Conesus Lake after strenuous work at the Exposition.

J. B. Keller Sons featured a window of single variety asters arranged in vases on plush.

Geo. T. Boucher furnished the palms and cut flowers for the opening of The Bedell Store, East Main St.

Prof. R. C. Curtis of Cornell University, with a number of his students visited Rochester parks to make a study of the plants grown there. A. A. Farnum of the University of Penn., is also inspecting the parks.



New Dwarf Solanum, Cleveland

New Dwarf Solanum CLEVELAND

A sterling Thanksgiving and Christmas novelty of dwarf, compact growth, carrying its berries well above the foliage. Has great lasting qualities. Ready Nov. 15th.

Orders booked now; 3-inch, \$15.00 per 100; 4-inch, \$25.00; 4-inch select, \$35.00; 5-inch, 50c. each; 5-inch select, 75c.; 6-inch, \$1.00; 6-inch select, \$1.25 and \$1.50; 7-inch, \$2.00; 8-inch, \$3.00.

Mr. Carl Hagenberger,
Mentor, Ohio.

Dear Sir:—Will you please reserve two thousand of your Cleveland Cherry Plants in the different sizes for Fall and Holiday trade. Past experience has proven that these plants give entire satisfaction to our customers, and are very profitable to handle.

Yours very truly,

THE JONES-RUSSELL COMPANY.

**CARL HAGENBURGER, WEST MENTOR
OHIO**

SAVE COAL

BY GROWING THE FOLLOWING COOL CROPS,
FOR WHICH WE ARE NOW BOOKING ORDERS
FOR LATE OCTOBER DELIVERY

SIM'S HYBRID YELLOW POLYANTHUS. Selected spring divisions, field grown clumps, \$7.50 to \$10.00 per 100, \$50.00 to \$75.00 per 1000, according to size.

SIM'S HYBRID YELLOW POLYANTHUS SEEDLINGS. Saved from selected plants, a small percentage may not come true; fine plants, fine for cutting, \$7.50 to \$10.00 per 100, \$50.00 to \$75.00 per 1000, according to size.

ENGLISH PRIMROSE SEEDLINGS. From a reliable source, fine, field-grown clumps, \$7.50 to \$10.00 per 100, \$50.00 to \$75.00 per 1000, according to size.

ALPINE AURICULAS. Make fine, spring pot plants, large plants, suitable for 5 and 6-in. pots, \$12.00 per 100, \$100.00 per 1000. These are fine plants and a fine strain.

AURICULA SEEDLINGS. \$7.50 per 100, \$50.00 per 1000.

PRINCESS VIOLET PLANTS. Field-grown, \$7.50 per 100, \$50.00 to \$60.00 per 1000.

WILLIAM SIM, Cliftondale, Mass

ST. LOUIS

C. Leary, the florist, has closed up and the stock and fixtures were sold at auction.

Ed Loyet is fast getting into shape as manager of the floral department at "Grand Leader."

Chauffeurs in the wholesale district are patriotic—H. G. Berning's and George H. Angermueller's have both left for the front.

Arthur Wors, second oldest son of C. W. Wors, who was registered but not called, became tired of waiting and joined the Canadian Recruiting Station. He left St. Louis Sept. 19 for Toronto and will be across the pond within 30 days.

The St. Louis Florist Club held its monthly meeting at St. Charles at the Denkers' Greenhouses on September 20. About fifty members were present. The feature was the installation of officers. There was some talk over spring flower show doings. After the meeting the members enjoyed an automobile ride. On return a luncheon was spread and a good time in general was had.

PHILADELPHIA.

The dwelling, greenhouses and tract of land on the south side of Kingsessing avenue, west of Sixty-second street, owned by Anne Connell, have been sold to Earl Mullen, Jr., who has occupied the property for several years.

The School of Horticulture reopened on Sept. 11 for the short fall

COMRADES IN ARMS.



JOHN H. EARL



DOUGLAS EARL

Here are two young men, sons of Howard M. Earl of W. Atlee Burpee & Co., of Philadelphia, who, like hundreds of others in the great horticultural fraternity of florists, seedsmen, nurserymen, gardeners and allied co-

workers, have left their homes and their usual avocations to answer their country's call. Both of these boys are corporals in Co. G, Sixth Pennsylvania Infantry and are now at Fort Hancock, Augusta, Ga.

courses of three months, with 14 students. The regular course opens in January. At present the students are studying bees, fruit, canning, preserving, drying, floriculture, landscape gardening, poultry, etc.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers: President, F. W. Bolgiano, Washington, D. C.; First Vice-President, Wm. G. Scarlett, Baltimore, Md.; Second Vice-President, David Harper, Philadelphia, Pa.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.

To Expedite Bulb Deliveries.

Gentlemen:

We enclose you copy of a telegram which we sent to the Honorable Robert Lansing, Secretary of State, Washington, D. C., last evening. This might be of interest to you.

September 25, 1917

Honorable Robert Lansing, Secretary of State, Washington, D. C.

May we ask of you the pleasure to communicate with the British authorities at Halifax with a view of expediting shipper documents and consignees' mail pertaining to entire cargo of bulb bulbs which arrived today per steamer "Waaldyk" from Rotterdam. This commodity is perishable and further delay will naturally discommodate perhaps three thousand importers who are American citizens, and numerous botanical gardens, florists, and seedsmen. Shipment now one month late. Your telegraphic expenses to Halifax will be cheerfully paid by us. Our total consignment, this vessel, being over ten thousand cases.

MALTUS & WARE,

14 Stone St., New York.

It might be of further interest to all various florists and receivers of bulbs to know that although the bulbs are perhaps one or two weeks late this year, still it has given the article a better chance to dry out in Holland, and we have been advised by several of the shippers of bulbs that the same were not packed until just a few days before the exact date was known at which the steamer was to depart.

The vessel made reasonable or very good time from Holland to New York, and although it will take perhaps a week or more to dispose of the cargo of such magnitude (over 20,000 cases) from the dock, still, the various florists and receivers should receive their bulbs in better condition than ever before, caused by their being longer and more thoroughly dried by a longer period of drying before packed and shipped.

MALTUS & WARE.

Reduced Yields

Reports from nearly every seed producing part of the country seem to indicate that yields will be considerably lighter than was estimated a month or six weeks ago. In some places the precocious frost in early September caused much irreparable damage.

The European outlook is still very uncertain and we believe there is not a dealer or grower abroad who is accepting orders now with prices attached. Orders when accepted are without prices, the latter to be mutually agreed upon at the time of the delivery of the seeds. These are unusual conditions and prolific of more or less embarrassment, but the times are unusual and hence we must make the best of it.

Notes.

Seed crops in England of beets, parsnips and chicory are reported a complete failure. A recent embargo placed on seed exports covers nearly

JUST ARRIVED

Paper White Grandiflora WHITE ROMAN HYACINTHS

Sizes, 12 c m and up, 13 c m and up, 14 c m and up.

Write for quotations, stating quantity required

McHUTCHISON & CO.

The Import House

95 Chambers Street, NEW YORK



SEEDS BULBS FERTILIZERS SUNDRIES

FOR THE FLORISTS
A most complete stock of Seasonable Seeds.

FOR THE FLORISTS
For immediate use or future delivery. Ask for quotations.

FOR THE FLORISTS
Pulverized Sheep or Cattle Manure. Clay's. Thompson's. Dried Blood.

FOR THE FLORISTS
Insecticides, Spraying Implements, Small Tools, etc.

YOU ought to have our retail and Florists' Special List. If you have not, write for one.

FOTTLER, FISKE, RAWSON CO., THE SEED STORE BOSTON
Faneuil Hall Square

LEONARD'S SEEDS

and SEED SERVICE

FOR SALE BY

LEONARD SEED COMPANY, Chicago, Ill.

"Seeds with a Lineage" All Varieties
Thoroughly tested at our trial grounds, **Raynes Park, London, England.** Send for Catalogue
CARTERS TESTED SEEDS, Inc., 166 Chamber of Commerce Bldg., Boston, Mass.

the entire list of vegetable seeds as well as field seeds such as mangels, rutabagas and grasses. License for shipment to this country on orders previously placed is possible in a limited degree.

The pleasing news of the safe arrival at Halifax last Saturday of the Hamburg-America S. S. Waaldyke was followed by the information of her reaching New York on Tuesday and those 26,000 cases of bulbs, which she brought will take a big load off the mind of many a dealer and many a florist. Simultaneously comes the statement that the Schiedyk had also sailed from Rotterdam at a later date with a cargo of bulbs.

Herman P. Sweetser, for the past year associate professor of horticulture in the College of Agriculture, University of Maine, has been appointed secretary to Dr. Leon S. Merrill, food administrator of Maine. Mr. Sweetser is a graduate of the University of Maine and was for a time horticulturist of the State Department of Agriculture.

CATALOGUES RECEIVED

J. M. Thurburn & Co., New York City.—"Thorburn's Bulbs." Catalogue of Bulbs and Flowering Roots, also Flower and Vegetable Seeds for Fall Planting. Illustrated and typographically superior.

Henry F. Michell Co., Philadelphia, Pa.—"Michell's Bulbs." Wholesale Prices for Fall, 1917. A 40-page illustrated list, with colored page insert of "Gorgeous" hardy phloxes. Cover illustration of "Superb" Darwin tulips in colors.

Bourne, Mass.—Everett W. Smith, florist, and family are soon to leave town, and return to their former home on Long Island.

Mitchell's Distinctive Seeds
Catalogue free
518 Market St. — Phila.

BULBS, FRENCH and DUTCH

All Varieties for Florists.

FLOWER SEEDS

Calecolarias, Candytuft, Centaurea, Cineraria, Pansy, Cyclamen, etc. All of the very finest strains for florists.

*Special Prices on Application***J. M. THORBURN & CO.**53 Barclay Street
NEW YORK**KELWAY & SON**

SPECIALIZE IN

SEEDS

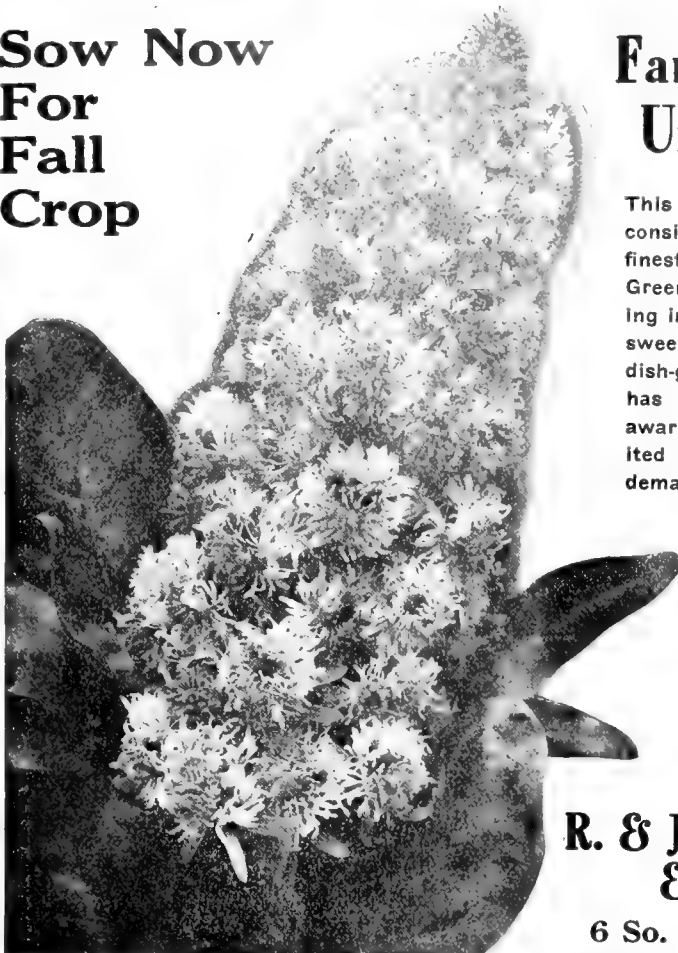
(personally selected strains)

WHOLESALE ONLYWrite for Special Prices, Spot or
Forward**Only Address, LANGPORT, Eng.****Paper White Narcissus****Lilium Candidum****Amaryllis, Callas****Cold Storage Lilies***Write us for price***AMERICAN BULB CO.****J. BOLGIANO & SON****Careful Seed Growers For
99 Years**Send for Our 1917 Wholesale Prices
To Florists and Market Gardeners**BALTIMORE, MD.****READY NOW****Keystone Snapdragon Seed.** Winter Bloom-
ing. \$1.00 per pkt., 6 pkts for \$5.00.**Pansy Seed.** Finest Florists' Mixture.
\$6.00 per ounce.**Mignonette.** Giant Greenhouse Grown.
\$8.00 per ounce.When we say we can please you, we mean
just what we say.**S. S. SKIDELSKY & CO.**

1004 Lincoln Bldg. Philadelphia, Pa.

**MY WINTER-ORCHID-FLOWERING
SWEET PEA**Price list has been mailed. It contains
many splendid Novelties. If you have not
received a copy send postal for.**ANT. C. ZVOLANEK**

Sweet Pea Ranch Lompoc, Cal.

Burpee's Seeds
PHILADELPHIA**BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLAN
FOR PROFIT****MIGNONETTE****Sow Now
For
Fall
Crop****Farquhar's
Universal**

This Mignonette is considered one of the finest varieties for the Greenhouse, producing immense spikes of sweetly scented, reddish-green flowers. It has received many awards where exhibited and is greatly in demand for cutting.

1-4 oz. - \$4.00

1-8 oz. - 2.00

1-16 oz. 1.00

**R. & J. Farquhar
& Co.**6 So. Market St.
BOSTON, - MASS.**CANES**Measuring from 6 to 8 feet. Can
cut to any size**\$1.50 PER 100****WM. ELLIOTT & SONS**

42 Vesey St., New York

THOMAS J. GREY COMPANY**SEEDS, BULBS AND IMPLEMENTS
WHOLESALE AND RETAIL.**Reselected Strains in Seeds.
Improved styles in Implements.
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mention HORTICULTURE.***ROMAN J. IRWIN**

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9/10, 200 to a case..... 85.00 per 1000
11/13, 100 to a case..... 15.00 per case**LILIAM FORMOSUM—Black Stem**8/10, 200 to a case.....\$80.00 per 1000
9/10, 180 to a case..... 90.00 per 1000
11/13, 100 to a case..... 16.00 per caseWrite for Complete Stock Circular.
SATISFACTION GUARANTEED.**ORDER NOW****PAPER WHITE NARCISSUS,
ROMAN HYACINTHS,
LILIAM HARISH,
COLD STORAGE LILIAM GIGANTEUM**
Prices on application.
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47-54 North Market St., Boston, Mass.**W. E. MARSHALL & CO.**
SEEDS, PLANTS AND BULBS
Horticultural Sundries

166 W. 23rd St., NEW YORK

GARDEN SEED**BEEF, CARROT, PARSNIP, RADISH and
GARDEN PEA SEED** in variety; also other
items of the short crop of this past season,
as well as a full line of Garden Seeds, will
be quoted you upon application to**S. D. WOODRUFF & SONS**
82 Dev St., NEW YORK and ORANGE, CONN

ALEX. McCONNELL611 FIFTH AVENUE
NEW YORK CITY

Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.



"The Telegraph Florist"

Member of Florists' Telegraph Delivery

124 TREMONT ST.
BOSTON

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KANSAS CITY

Transfer Your Orders to

SAMUEL MURRAY

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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address. Dardsflor.

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Deliver orders from any part of the country to

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Telephone 1259-1260 Columbus

Write or Phone

F. H. WEBER'SModern Flower Shop for
Artistic and Special Work

N. E. Corner of Taylor and Olive

ST. LOUIS, MO.

M. F. T. D.

Providence, Rhode Island**Johnston Brothers**

LEADING FLORISTS

38 Dorrance Street

Member Florists' Telegraph Delivery

Of Interest to Retail Florists**NEW FLOWER STORES.**

Astoria, Ore.—Oscar Mueller

Newark, N. J.—Rogers Nursery Co.
Broad streetReno, Nev.—G. Ross & Co., suc-
ceeding J. VarsiPortland, Ore.—People's Floral Co.,
removed to 215 Alder streetSan Francisco, Cal.—Golden Gate
Florist, O'Farrell, near Powell street.Perth Amboy, N. J.—The Rose
Shop, Stuart & Watson, proprietors,
removed to 80 Smith street.**NEW CORPORATIONS.**W. S. Lee, Inc., florist, \$5,000, Man-
hattan, New York; William S. Lee,
Gerald de Waltoff, Bertha Meyer.Charleston, S. C.—Rogers Floral
Co., capital stock, \$15,000. Incorpora-
tors, Francis S. Rogers, Jr., and Paul
M. McMillan.Columbia, Mo.—Columbia Floral
Co., growers, capital stock, \$20,000. In-
corporators, C. C. Bateman, W. E.
Smith and J. W. Bernard.Knoxville, Tenn.—C. W. Crouch, Co.,
florists, capital stock, \$10,000. Incor-
porators, W. S. and J. J. Roberts, H.
W. Shaver, B. W. Crouch and E. M.
Wilson.

Florists of northern Iowa and south-
ern Minnesota held a meeting in
Mason City, Ia., on Tuesday, Septem-
ber 11, for the purpose of forming an
organization for mutual benefit and
united action on the many important
problems that now confront the flor-
ist trade. Nearly fifty gentlemen were
present and they elected George Good-
man, of Mason City, president and
C. D. Kinsman, of Austin, Minn.,
secretary-treasurer. The next meeting
will be called in Mankato, Minn.


Albany, N. Y.

The Best Service

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FLORIST**32 NEWBURY
STREET, BANGOR, ME.

We Cover all Points in Maine

**JOHN BREITMEYER'S
SONS**Cor. Broadway and Gratiot Aves.
DETROIT, MICH.**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.
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WASHINGTON, D. C.

Member Florists Telegraph Delivery

Orders for NEW YORK.
Write or Phone to**MAX SCHLING****785 Fifth Ave.**

Adjoining Plaza Hotel

Best Florists in the States as
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Members of the Florists'
Telegraph Delivery.**THE ROSERY**

23 STEUBEN ST.

ALBANY, N. Y.FLOWER DELIVERIES FOR ALBANY
AND VICINITY

Members Florists' Telegraph Delivery

G. E. M. STUMPP

761 Fifth Ave.

NEW YORK CITY

Member Florists' Telegraph Delivery Asso.

YOUNG & NUGENT**42 West 28 Street****New York**

Members Florists' Telegraph Delivery

**A. T. BUNYARD
NEW YORK**413 Madison Ave. at 48th Street
Also Newport, R. I.

I GUARANTEE SATISFACTION

MEMBER F. T. D. A.

CHICAGO Send Your Orders to WILLIAM J. SMYTH

Member Florists' Telegraph
Delivery Association

Michigan Ave. at 31st Street

Prompt Auto Delivery
Service

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NEW YORK 561 Fifth Ave.
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BOSTON 1 Park Street
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Deliveries to Steamers and all Eastern Ports

CLEVELAND

A. GRAHAM & SON
5523 Euclid Ave.
Will take good care of your orders
Members of F. T. D. Association.

Orders Filled Day or Night for
CLEVELAND
and State of Ohio
Complete Stock. Regular discount to Trade.
KNOBLE BROS.
1896 W. 25th St., Cleveland, O.
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THE SMITH & FETTERS CO.
735 Euclid Avenue
CLEVELAND, OHIO
Flowers of Every Kind in Season

HESS & SWOBODA
FLORISTS
Telephones 1501 and L 1532.
1415 Farnum St.,
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Rochester, N. Y.
J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.
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S. A. ANDERSON
440 Main St., Buffalo, N. Y.
ANDERSON service means fresh, sturdy
stock and prompt deliveries in BUFFALO,
LOCKPORT, NIAGARA FALLS and
WESTERN NEW YORK
Members of Florists' Telegraph Delivery.

HIGH GRADE PLANTS
For Retail Stores a Specialty
ASK FOR LIST
THOMAS ROLAND, Nahant, Mass.

WORCESTER, MASS.
Randall's Flower Shop
HARRY L. RANDALL, Proprietor.
Mention Florists' Telegraph Association

ILLINOIS STATE FLORISTS' ASSOCIATION.

President Pillsbury is sending out the following snappy circular letter to the trade throughout the State of Illinois:

MR. FLORIST:

You are invited to the Fall Meeting and Flower Show of the Illinois State Florists' Association, to be held in the State Armory at Galesburg, Illinois, November 6 and 7, and which will be a Big Flower Show.

You may bring your flowers along with you, or if you prefer, send them prepaid (with your card or tag attached) addressed to the "Flower Show," Galesburg, Illinois, and they will be set up. Please let us know something of what you will bring.

If not a member of the Illinois State Florists' Association, we want you to become one; dues only \$1.00 a year. But come anyway and bring your wife with you and enjoy the flowers, good fellowship and the banquet and program, Tuesday evening, November 6. By coming to the meeting, you will have a good time and go home wiser.

Have your list of wants ready and order them from the wholesale men who have displays at the Flower Show. That alone will pay you for coming.

No competition, no premiums, but lots of advertising. If you have any new plants or flowers, this is the place to show them and also to see what others show. If you have nothing new, bring the best you can.

No admission fee to florists to the hall. Kindly let us know how many tickets you may want for the banquet, so arrangements can be made for your accommodation. Price of banquet not yet settled.

Again hoping we may meet you at the Flower Show. Very truly,

I. L. PILLSBURY, President.

CHICAGO TO DETROIT.

The Chicago party for the annual convention of the Florists' Telegraph Delivery, to be held at Detroit, Mich., October 2-3, will leave on the Wabash Railroad (Dearborn Station, Polk and Dearborn streets) Monday, October 1, at 11.30 a. m., due Detroit at 7.40 a. m., Tuesday. The fare each way is \$6.80. Pullman fares, lower berths \$2.00, upper berths \$1.60, drawing room \$7.00. Berths ready at 10 p. m. Party rate for 10 or more \$6.05 each way.

On account of heavy traffic, reservations should be made early with H. L. Purdy, Wabash Ticket Office, 68 West Adams street. Telephone Central 5683.

Members of the trade and their friends from points north, south or west are cordially invited to join the party.

MICHAEL BARKER, Chairman,
Chicago Florists' Club Trans. Com.

Send Telegraph, Telephone or Mail orders for florist service in this vicinity to

Howard & Smith

553 SO. OLIVE ST.

Los Angeles, Calif.

Every Order sure to receive prompt and careful attention.

REUTER'S Members Florists' Telegraph Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

ST. LOUIS, MO.

FRED C. WEBER
4326-28 Olive St.

Member Florists' Telegraph Delivery Association
NOTICE INITIALS. We have one store only

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for any occasion, in any part of the Dominion.

JOHN H. DUNLOP
8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

106 STATE STREET, ALBANY, N. Y.

"THE HOME OF FLOWERS"

The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

The Park Floral Co.

J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

DENVER, COLORADO



KERR ORDERS FOR TEXAS
HOUSTON, TEXAS

The Florist Member F. T. D. Association

BEAUTIES

The Best, \$3.00 Doz.

30 Inch

24 Inch

\$2.50 per dozen \$2.00 per dozen

The quality is improving. More flowers are coming in, which enables us to give you more carefully selected stock.

THE LEO NIESSEN CO.

N. W. Corner 12th and Race Streets
PHILADELPHIA, PA.

I Have Opened a Wholesale House

FOR THE SALE OF

CUT FLOWERS, GREENS, PLANTS,

and other stock for Florists, and will be pleased to consider

Large and Small Consignments of Cut Flowers

CHARLES E. MEEHAN

5 So. Mole Street

PHILADELPHIA, PA.

EDWARD REID
WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.

CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

H. M. ROBINSON & CO.
BOSTON'S FOREMOST
Wholesale and Commission Florists

22 Otis Street, 1 Winthrop Square
BOSTON, MASS.
Telephone 2618-2617-2616, Main.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$2.00. 50,000...\$8.75. Sample free.
For sale by dealers.

E.G. HILL CO.

Wholesale Florists
RICHMOND, IND.

Please mention Horticulture when writing.

MICHIGAN CUT FLOWER
EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service

ZECH & MANN

We are Wholesale Florists Doing a Strictly Wholesale Business

30 East Randolph Street, CHICAGO



POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

262B DEVONSHIRE ST., BOSTON, MASS.
Telephone, Main 6267-6268

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Sept. 27		ST. LOUIS Sept. 24		PHILA. Sept. 24	
Roses						
Am. Beauty, Special	15.00	to 25.00	30.00	to 35.00	20.00	to 25.00
" " Fancy and Extra	6.00	to 12.00	20.00	to 25.00	12.00	to 15.00
" " No. 1 and culls	3.00	to 6.00	3.00	to 15.00	4.00	to 10.00
Russell, Euler, Mock	1.00	to 6.00	2.00	to 15.00	4.00	to 15.00
Hadley	.50	to 4.00	1.00	to 10.00	2.00	to 8.00
Arenberg, Hoosier Beauty	.50	to 4.00	1.00	to 5.00	1.00	to 6.00
Ward	.50	to 4.00	1.00	to 5.00	2.00	to 4.00
Killarney, Radiance, Taft	.50	to 4.00	1.00	to 5.00	1.00	to 6.00
Ophelia, Sunburst, Hillingdon	1.00	to 6.00	2.00	to 6.00	2.00	to 8.00
Carnations	.50	to 2.00	.75	to 2.00	1.00	to 1.50
Cattleyas	1.00	to 5.00	1.00	to 5.00	75.00	to 100.00
Dendrobium formosum	10.00	to 12.00	6.00	to 8.00	50.00	to 75.00
Lilies, Longiflorum	1.00	to 2.00	1.00	to 2.00	8.00	to 10.00
Lilies, Speciosum	8.00	to 12.00	1.00	to 8.00	1.00	to 1.00
Lily of the Valley	1.00	to 2.00	1.00	to 2.00	5.00	to 10.00
Snappdragon	1.00	to 2.00	1.00	to 2.00	1.00	to 4.00
Gladioli	1.00	to 3.00	2.00	to 3.00	3.00	to 4.00
Asters	.25	to 1.50	.50	to 3.00	.50	to 2.00
Chrysanthemums	12.00	to 20.00	12.50	to 20.00	15.00	to 16.00
Sweet Peas	1.00	to 1.50	1.00	to 1.50	1.00	to 1.50
Marguerites	.60	to .75	1.00	to 1.50	1.00	to 1.50
Gardenias	20.00	to 25.00	1.00	to 1.00	1.00	to 1.00
Adiantum	.25	to 1.00	1.00	to 1.00	.50	to .75
Smilax	8.00	to 12.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	15.00	to 25.00	25.00	to 35.00	25.00	to 50.00

WILLIAM F. KASTING Co.

Wholesale Florists

568-570 WASHINGTON STREET - BUFFALO, N. Y.

J.A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

Flower Market Reports

BOSTON

Trade is reported by some dealers as exceedingly dull, by others as remarkably good and by still others as fair for the season. We are disposed to accept the last as the most nearly reliable in a general application. Roses are of very superior quality and there are plenty of them. Most of the gladioli growers have about reached the end of their cut but others who prepared for a late crop are coming in with good stock and are getting prices considerably better than two weeks ago. There are still some good asters but the greater part of those seen this week are weather-beaten and tired looking. The oversupply of lilies seems to have come to an end and market values on the limited number received are doubled up. Carnations are still few and inferior.

CHICAGO

Very few good flowers are going to waste. Total sales each day do not make a very large amount because the quantity of stock coming in is not large. The week-end business was very good for September and no one is discouraged. Chrysanthemums are not here in any great quantity as yet, but the supply is larger each week and some fancy stock reached the \$4.00 per doz. mark on Saturday. Roses are coming more plentifully but there are still many very short ones, hard to dispose of. Asters are on the wane with too many inferior flowers still with us. Many gladioli, lilies and miscellaneous flowers are brought in and a fair proportion of them are sold. The wild asters and other prairie flowers appeared this week.

CINCINNATI

Business is good. The supply of stock is large enough, while the demand for stock is excellent and steady. Roses are in a good supply. The carnation supply is small but good. Lilies are fairly plentiful. Chrysanthemums, white and yellow, are to be had but only in very limited quantities. The dahlia cut is one of the best this market has ever had. They have been selling pretty well. Cosmos is plentiful.

CLEVELAND

Business is satisfactory. Prices are about the same as for some time past. The demand is ample to absorb everything that comes into the market. Stocks are large in most staple lines but not over heavy. No chrysanthemums had arrived up to the 25th of the month. Lily of the valley and orchids are scarce. A few carnations have begun to arrive as well as some nice dahlias.

NEW YORK

There have been some spurts of business since last report due to special occasions of a transient nature rather than to any normal seasonal development of demand and there is little in the situation just at present to warrant any confidence in immediate permanent advancement. There is nothing the matter with the quality of the material coming in for as a general rule it is of excellent finish for the season. This is more particularly true of the roses. Lilies are also good and market values have improved. Cattleyas will soon be in

FOR FALL DECORATIONS



Dahlias in all colors and varieties

\$2, \$3, and \$4 per 100

HYDRANGEA HEADS
75c per doz., \$40 per 100

TRITOMAS, \$5 per 100

AUTUMN FOLIAGE
50c per bunch

Business Hours
7 A. M. to 5.30 P. M.

S. S. PENNOCK COMPANY

The Wholesale Florists of Philadelphia

NEW YORK
117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.
WASHINGTON, 1216 H. St., N. W.

BALTIMORE
Franklin & St. Paul Sts.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Sept. 24		CHICAGO Sept. 24		BUFFALO Sept. 24		PITTSBURG Sept. 24	
Roses								
Am. Beauty, Special.....	25.00	to 35.00	30.00	to 40.00	25.00	to 30.00	12.00	to 25.00
" " Fancy and Extra.....	15.00	to 20.00	20.00	to 30.00	20.00	to 25.00	12.00	to 20.00
" " No. 1 and culls.....	6.00	to 10.00	4.00	to 10.00	3.00	to 5.00	3.00	to 6.00
Russell, Euler, Mock.....	3.00	to 10.00	1.00	to 20.00	3.00	to 12.00	4.00	to 10.00
Hadley.....	.....	.....	.....	.....	5.00	to 10.00	.....	.....
Arenberg, Hoosier Beauty.....	3.00	to 8.00	3.00	to 10.00	5.00	to 10.00	.....	.....
Ward.....	3.00	to 5.00	4.00	to 10.00	3.00	to 5.00	3.00	to 8.00
Killarney, Radiance, Taft.....	3.00	to 6.00	3.00	to 10.00	2.00	to 8.00	3.00	to 6.00
Ophelia, Sunburst, Hillingdon.....	3.00	to 8.00	3.00	to 10.00	3.00	to 8.00	3.00	to 8.00
Carnations	1.00	to 2.00	1.00	to 3.00	1.00	to 1.50	1.00	to 1.50
Cattleyas	.....	75.00	75.00	to 100.00	50.00	to 60.00	.....	.....
Dendrobium formosum.....	.....	.....	.....	.....	8.00	to 10.00	10.00	to 12.00
Lilies, Longiflorum.....	10.00	to 12.50	.....	to 12.00	3.00	to 6.00	.....	.....
Lilies, Speciosum.....	.....	.....	.....	.....	7.00	to 8.00	.....	.....
Lily of the Valley.....	.....	7.00	.....	to 6.00	1.00	to 3.00	3.00	to 4.00
Snappdragon.....	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Gladioli.....	2.00	to 4.00	1.00	to 4.00	.50	to 3.00	.50	to 2.00
Asters.....	20.00	to 25.00	15.00	to 25.00	10.00	to 20.00	12.00	to 25.00
Chrysanthemums.....	.....	.....	.....	.....	.....	.....	.....	.....
Sweet Peas.....	.....	.....	.25	to 1.00	.....	.....	.....	.....
Marguerites.....	.....	.....	.....	.....	.....	.....	.....	.....
Gardenias.....	.....	.....	.....	.....	.....	.....	.....	.....
Adiantum.....	.....	1.00	.....	to 1.00	1.00	to 1.25	1.00	to 1.25
Smilax.....	.....	15.00	15.00	to 20.00	15.00	to 20.00	.....	15.00
Asparagus Plu. & Spren. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	40.00	to 50.00

plenty. Gladioli and asters are still abundant. Large quantities of cosmos, hydrangea and other garden products are in evidence and their influence upon market values generally is not exactly stimulating. Chrysanthemums are steadily increasing in numbers.

Business was rather draggy for a few days but came around all right. Single roses are more plentiful and of excellent quality, although rather short stemmed as yet. Very few carnations are received. Dahlias are selling unusually

well and bringing very fair prices. Asters still continue a strong factor but are beginning to slacken up a little. No change in the cattleya famine. Dendrobiums are seen in limited quantity. Lily of the valley has advanced to ten dollars for the best stock. There are plenty of good longiflorum lilies and also some fine auratum and speciosum.

Business has not been particularly brisk during the past week. The

(Continued on page 363)

H. BAYERSDORFER & CO. Manufacturers and Importers

1129 Arch St. PHILADELPHIA, PA.

Fall Novelties Now On Display

New Show Rooms Added

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

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Wholesale Commission Florist
Choice Cut Flowers
New Address, 143 West 14th St., NEW YORK
Telephone: 2109, 2191, Madison Square.

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Wholesale Commission Florists
55 and 57 West 26th Street
Telephone No. 765
Farragut New York

WM. P. FORD

Wholesale Florist
107 W. 28th Street, NEW YORK
Telephone 6335, Farragut.
Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT

WHOLESALE FLORIST
109 WEST 28th ST
CONSIGNMENTS SOLICITED
PHONE 608 / 609 FARRAGUT NEW YORK

JOHN YOUNG & CO.
WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY
Consignments Solicited
Phone Farragut 4336

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Leucothoe, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorative Evergreens.
Tel. (1903 / 1902) Mid St. 119 W. 28 St., New York

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

GEORGE B. HART

WHOLESALE FLORIST
24 Stone St., Rochester, N. Y.

RIEDEL & MEYER, Inc.

Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

P. J. SMITH

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.
TELEPHONE 2281 / 2089 FARRAGUT 131 West 28th St., NEW YORK CITY

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY
— HAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US —
Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist
55 and 57 W. 26th Street, - - NEW YORK
Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the
BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.
PAUL MECONI — Wholesale Florist — NEW YORK
Telephone Nos. 3864 and 8364 Madison Square 57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us
FANCY GRADE ORCHIDS, SEPTEMBER MOEN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists
Phones: Farragut 558, 2036 and 2037 111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Sept. 22 1917		First Half of Week beginning Sept. 24 1917	
American Beauty, Special	13.00	to 15.00	15.00	to 30.00
" " Fancy and Extra	8.00	to 12.00	8.00	to 18.00
" " No. 1 and culls .....	.50	to 4.00	.50	to 4.00
Russell, Euler, Mock .....	.50	to 8.00	1.00	to 8.00
Hadley .....	.50	to 6.00	.50	to 8.00
Arenberg, Hoosier Beauty .....	.50	to 3.00	.50	to 4.00
Ward .....	.25	to 3.00	.25	to 4.00
Killarney, Radiance, Taft .....	.25	to 3.00	.25	to 4.00
Ophelia, Sunburst, Hillingdon .....	.50	to 8.00	1.00	to 8.00
Key	1.00	to 12.00	1.00	to 18.00
Carnations .....	.25	to 1.00	.50	to 1.50

GROWERS' CUT FLOWER COMPANY
WHOLESALE FLORISTS

129 West 28th Street

Tel. 6237 / 3563 Farragut

E. J. VAN REYPER, Mgr.

WALTER F. SHERIDAN

Wholesale Commission Dealer in
CHOICE CUT FLOWERS

133 West 28th Street, New York
Telephone—3532-3533 Madison Square

Frank H. Traendly Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists
436 6th Avenue, Between 26th and 27th Sts., New York
Telephones: 797, 798, 799 Farragut
Consignments Solicited

JOSEPH S. FENRICH

WHOLESALE FLORIST
LILIES EVERY DAY

51 W. 28th Street, New York
Telephone, 420-421-422 Mad. Sq.

HERMAN WEISS

WHOLESALE FLORIST
Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

130 West 28th Street, Tel. Farragut 634,
NEW YORK.

TO THE INTERESTED FLORIST — A Crisp Catalog — Its Yours for the Asking

We should like to send you a catalog telling you all about Supplies. Just drop a line to our Florist Supply Department.

PITTSBURGH CUT FLOWER COMPANY, 116-118 Seventh Street, PITTSBURGH, PA.

Flower Market Reports

(Continued from page 361)

market has been heavily stocked with asters, for which there was a large demand on Saturday for "the blessing of the graves," which was observed Sept. 23 by the Catholic Church. Thousands of asters were sold by the grocers and other trades people. There are quite a few gladioli reaching the market, but the majority of growers are through cutting. Roses are plentiful and include some excellent stock. Carnations are arriving but are short stemmed. Lilies are very plentiful. Small quantities of larkspur are received. There has been a slight shortage in asparagus for the past two weeks.

Trade cannot at present be considered good.

ST. LOUIS

It is the old story that as long as out door flowers are in the market the other flowers must suffer. Roses and carnations are improving in quality. Gladioli are about done and a good frost will settle the dahlias and tuberose. Shipments of crotons continue to arrive. A good supply of lilies is in. Some chrysanthemums are received but the retailers do not seem to rush for them yet.

VISITORS' REGISTER.

Cleveland, O.—W. W. Castle, Boston.

Albany, N. Y.—Patrick Welch, Boston.

Boston—Harrison Leussler, Garden City, N. Y.

New Haven, Conn.—R. Vincent, Jr., Whitmarsh, Md.

Philadelphia—W. C. Lawrence, Lawrence Floral Co., Atlanta, Ga.

New York—R. Vincent, Jr., Whitmarsh, Md.; Walter Gott, repr. Sander & Sons, St. Albans, Eng.

Rochester, N. Y.—J. H. Gould, Middleport, N. Y.; Hans Moller, Pittsford, N. Y.; Mrs. Wm. C. Buechi, Buffalo, N. Y.; Manual Oppenheim, Olean, N. Y.

Cincinnati — Fred Brueggemann, New Castle, Ind.; W. J. Cox, repr. Sifton Mfg. Co., Chicago; E. J. Gould, London, Ohio; H. S. Price, repr. S. S. Pennock Co., Philadelphia, Pa.

Chicago—Leonard J. Seiger, repr. Robert Craig Co., Phil.; Mrs. Baumgarten and son Harold, Milwaukee, Wis.; F. C. Suchy, San Antonio, Texas; Mesdames Forbes and Bird, Davenport, Iowa; M. Rocklin, Sioux City, Ia.; Geo. Collins, with Henry Smith, Grand Rapids, Mich.; Mr. and Mrs. J. C. Rennison, Sioux City, Iowa; Fred Rentschler, Madison, Wis.; Walter Mott, representing Benj. Hammond, Beacon, N. Y.; Harry Papworth and J. G. Schottmaier, New Orleans, La.; J. A. Nelson, Peoria, Ill.; Mrs. J. C. Elsperrmann, Evansville, Ind.

PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M. TELEPHONE MAIN 2608.

J. K. ALLEN, WHOLESALE COMMISSION FLORIST

Always Ready to Receive Consignments and Can Market Them Satisfactorily. Wanted Specially, Early Peonies, Gladioli, etc., for Spring Trade.

A Clean Record For Thirty Years

118 West 28th Street, - - - NEW YORK

Telephones: 167 and 3058 Farragut

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Sept. 22 1917		First Half of Week beginning Sept. 24 1917	
Cattleyas.....	35.00	to 75.00	35.00	to 75.00
Dendrobium formosum.....	.....	to 90.00	.....	to 50.00
Lilies, Longiflorum.....	3.00	to 6.00	3.00	to 8.00
Lilies, Speciosum.....	3.00	to 3.00	2.00	to 3.00
Lily of the Valley.....	3.00	to 8.00	3.00	to 8.00
Snapeagros.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	.50	to 2.00	.50	to 2.00
Asters.....	.25	to 1.00	.25	to 1.00
Chrysanthemums.....	12.00	to 20.00	12.00	to 20.00
Sweet Peas.....	.15	to .50	.15	to .50
Marguerites.....	.25	to .50	.25	to .50
Gardenias.....	20.00	to 50.00	20.00	to 30.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	6.00	to 8.00	6.00	to 8.00
Asparagus Plumosus, & Sprea (100 bunches).....	10.00	to 20.00	10.00	to 20.00

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HENRY M. ROBINSON CO. OF NEW YORK WHOLESALE FLORISTS

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MAURICE L. GLASS, Treasurer

Established 1896

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Wholesale Commission Florists

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We Solicit Consignments of New England Grown Novelties.



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122 West 25th St., New York

Florists' Supplies

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Decorative Glassware, Growers and Florists' Requisites

Beechwood Heights Nurseries

Importers and Growers of

ORCHIDS

Cut Flowers of All the Leading Varieties in their Season.

THOMAS YOUNG, Jr., Proprietor,
BOUND BROOK, N. J.

Obituary

Edwin M. Haven.

Edwin M. Haven, Seed Company, Cal., passed on September 27, 1917, at that city, after a prolonged illness. He was born at North Haven, Conn., in 1855, being the eldest of four brothers. At about the age of 18 he removed with his family to Bloomingdale, Mich., where of his earlier life was spent. In 1878 he began the business of seed raising and continued that business at Bloomingdale until the year 1894 when he removed to South Haven, Mich. In 1893 the business was incorporated under the name of The Haven Seed Company and was conducted under Mr. Haven's management until 1903 when he, with his family, removed to California in order to carry on the seed growing operations under more favorable cli-



EDWIN M. HAVEN

matic conditions. For many years the work has been mainly devoted to the raising of tomatoes for seed and the deceased has done much thorough work in the breeding of tomatoes, devoting his attention to the perfecting of stocks rather than to the introduction of new varieties.

The business is incorporated and will be continued under the same management as heretofore by his sons, A. B. Haven being president and L. S. Haven, secretary of the corporation. A widow, three sons and three daughters survive the deceased.

Henry Youell.

Henry Youell died on Thursday night, September 20, at his home, 170 Ridgeway avenue, Syracuse, N. Y., aged 73 years. He was born at Great Yarmouth, England, in 1844, and had been in this country 45 years. For the past several years he had been well known as a grower of the gladiolus. Upon his arrival in this country he went to Boston where he worked for a while in the greenhouse establishment of W. C. Strong & Co., in Brighton and afterward had charge of

CLASSIFIED DIRECTORY

Advertisements in this Department, Ten Cents a Line, Net

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Bulbs of all descriptions. Write for prices.
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CARNATION PLANTS

CARNATIONS. Henry Peck of Lowell, \$5.00 per 100. White and Pink. For address: Peck & Sons, Madison, Mass. 02148.
CHAS. H. GREEN, Spencer, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post paid. I. L. PILLSBURY, Galesburg, Ill.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell.
Stock For Sale.
JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DAISIES

DAISIES—(Bellis), Montrosa, white and pink, also Longfellow and Snowball. Thinly sown field-grown, strong seedlings, \$2.50 per 1000. Cash. BRILL CELERY GARDENS, Kalamazoo, Mich.

the grounds and the gardens of the City Hospital. He remained there for eight years, after which he took charge of Major Davis' estate in Syracuse. Some time later he went in business for himself. Mr. Youell had been secretary of the National Gladiolus Society for five years, and was president of the Floral Club of Syracuse. At one time he was assistant superintendent of the State Fair. He is survived by one son, Henry Robert Youell, and three daughters, Miss Mabel Youell of this city, Mrs. Ernest C. Edwards of Lyndon, and Mrs. Christopher J. Lambert of Pierrepont Manor. His wife died nine years ago.

Robert S. Peabody.

Robert Swain Peabody, widely known Boston architect, former president of the American Institute of Architects, and former chairman of the Boston Park Commission, died at his summer home at Peach's Point, Marblehead, Mass., September 23, after a long illness. It will be remembered that Mr. Peabody was sent over with Thomas J. Gargan, to visit the cities and ports of Europe, and on his return made the now famous report on "How the Kaiser Would Develop a Port Like Boston."

Frank Huntsman.

We have just been informed briefly, without details, of the death on September 14, of Frank Huntsman, after an illness extending over a number of years, at his home in Fort Thomas, Ky. Mr. Huntsman was formerly engaged in the florist business in Cincinnati and was widely known and deservedly popular. He served as a member of the executive committee of

GLASS

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

PANSY PLANTS

PANSIES. Henry Youell strong field-grown seedlings. Strongest unsurpassed by any lot size of known colors, \$2.50 per 1000. Cash. BRILL CELERY GARDENS, Kalamazoo, Mich.

PEONIES

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

ROSES

Roses, Canas and Shrubs. THE CONRAD & JONES COMPANY, West Grove, Pa.

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Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

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Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Hissarik Nursery, New Rochelle, N. Y.

WIRE WORK

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

the Society of American Florists during the years 1889-'90-'91.

William Harvey.

William Harvey, of Needham Heights, formerly gardener on the N. T. Kidder estate in Milton, Mass., and well known to the older generation of Boston gardeners and florists, died on Tuesday, September 25, at the Needham hospital, death being the result of a rupture. He is survived by his widow and one son.

William B. Entemann.

William B. Entemann, florist, died Sunday at his home, No. 326 Ocean avenue, Jersey City, at the age of fifty years. He was a member of the Society of American Florists and New York Florists' Club. A widow and daughter survive.

HELP WANTED

WANTED: Experienced Gardener for private country place. Must be a working gardener, capable of raising both flowers and vegetables inside and out, and understand orchard and shrubbery work. Good home, good position. State experience, how much of family and salary expected. Address "J. O. B." care HORTICULTURE.

WANTED: Two young men who have had a few years experience in the flower seed department. Answer in own hand writing to "Flower Seed Dept." STUMPP & WALTER CO., 39 Barclay St., New York.

SITUATIONS WANTED

SITUATION WANTED: Cornell graduate in Agriculture, experienced in greenhouse work and gardening, desires apprenticeship position in retail florist shop in New York, Boston, Cleveland or Washington. Address 20 Trowbridge Road, Worcester, Mass.



"HAMMOND'S GRAPE DUST"

Used effectively to kill Powdery
Mildew on Roses and other Plants
USED BY THE FLORISTS FOR OVER 25 SUCCESSIVE YEARS

Sold by the Seed Dealers.
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USE WIZARD BRAND CONCENTRATED PULVERIZED MANURE

Pulverized or Shredded
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The Florists' standard of uniform high quality for over ten years. Specify: **WIZARD BRAND** in your Supply House order, or write us direct for prices and freight rates.

THE PULVERIZED MANURE CO.
34 Union Stock Yard, Chicago

CLEVELAND FLOWER SHOW ENLARGED.

In January of this year, when the committee of Cleveland florists were forced to give up their plans for holding a very large flower show because the Coliseum was withdrawn from the market as a show building, they were forced to select the large ballroom and private dining rooms of the Hotel Statler as the only place available.

On September 21st H. P. Knoble called a meeting of the show committees and informed them that the Grays Armory could be obtained for the November show. It was the unanimous opinion of the committee that it would be a much better building for the purpose than the hotel and the contract was signed immediately.

By this change 5,000 sq. ft. is added to the display space as compared to the Hotel Statler. It was decided to reserve the space along the two walls for commercial exhibits of growers and an invitation is hereby extended to those desiring to occupy space for exhibiting plants, ferns, palms and any new novelty.

This space will be divided in 10 x 10 feet units at a cost of \$50 to the exhibitor. Uniform signs and division rails will be supplied by the management. As there are only 20 spaces available, it was thought best to only accept plant and flower exhibits and for that reason, the invitation will not be extended to florist supply firms.

A number of spaces have already been spoken for and it is suggested that those desiring to exhibit, address F. R. Williams, Trade Display Committee, care Cleveland Cut Flower Co., 231 High Ave., Cleveland, Ohio.

BLIGHT ON HELIOTROPE.

"Horticulture" Publishing Co.:

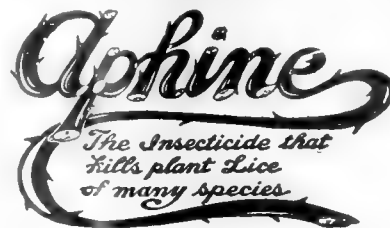
Can you or any of your readers inform me the cause of and remedy for blight on heliotrope, both in greenhouse and out side? We have it pretty bad on our stock plants. Is it contagious? I would appreciate some information through the columns of "Horticulture."

H. E. C.

Ohio.
In answer to inquiry of cause and remedy for blight on Heliotrope, we would suggest thorough spraying with Thrip Juice No. 2 or Whale-oil Soap. Either will be found effective to the plants, but the surest remedy would be to buy new stock. One hundred 2 1/4-inch clean stock bought now will give plenty of stock for next spring and it hardly pays to waste time and trouble trying to cure the malady.

H. H. BARTSCH.

Waverley, Mass.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$3.50.

FUNCINE

For mildew, rust and other blights affecting flowers, fruits and vegetables.

Quart, \$1.00; Gallon, \$3.50.

VERMINE

For eel worms, angle worms and other worms working in the soil.

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Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard Insecticide will prevent ravages of your crops by insects.

Non-poisonous and harmless to use; and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses. Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c; Pint, 40c; Quart, 75c;
1/2 Gallon, \$1.25; Gallon, \$3; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50.
Directions on package.

LEMON OIL COMPANY

Dept. S. 420 W. Lexington St., Baltimore, Md.



Quarts, 55c. Gallons, \$1.65
Fives, \$6.50

Try with 24 parts water. Often effective weaker.

Ask your dealer or write

EASTERN CHEMICAL CO.
BOSTON, MASS.



NIKOTEEN

For Spraying
APHIS PUNK
For Fumigating

Ask Your Dealer For It

NICOTINE MFG. CO.
ST. LOUIS



Free!

A 50-gallon barrel of Scalecide free to any one who will suggest a fairer guarantee than that given below.

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As proof of our confidence and to strengthen yours, we will make the following proposition to any fruit grower of average honesty and veracity:

Divide your orchard in half, no matter how large or small. Spray one-half with "SCALECIDE", and the other with Lime-Sulfur for three years, everything else being equal. If at the end of that time, three disinterested fruit growers say that the part sprayed with "SCALECIDE" is not in every way better than that sprayed with Lime-Sulfur, we will return you the money you paid us for the "SCALECIDE".

Send for new free booklet, "Profits in Fall Spraying".

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Use N. A. C. Products for more profitable results. Send for prices on our complete list of Fertilizers and Insecticides.

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World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
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CAMBRIDGE, MASS.
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NEWS NOTES.

Hagerstown, Md.—Carter Glibney on Euclid Ave. just received his shipment of plants to replace that broken out by the hail storm last June.

Onerda, N. Y.—Miss Chas. H. Maynard is recovering slowly from the severe injuries sustained in a fall some three weeks ago, but is still suffering a great deal of pain, we are sorry to learn.

Hillsdale, N. Y.—J. B. Bloomer sold the old homestead together with four acres of land last week to Miss Minnie Lenoria from Astoria, L. I., who will erect green houses on the property next spring. Miss Lenoria is an experienced florist.

Fall River, Mass.—Robert E. Delaney, chauffeur for Warburton, the florist, and one of Fall River's contingent to leave for Ayer this week, was pleasantly surprised Thursday evening when a party of friends called at his home to say goodbye and Godspeed. Mr. Warburton presented the guest of honor with a wrist watch and the boys from the greenhouse gave him a comfort kit. There were many other useful gifts from personal friends.

Baltimore, Md.—An annual event of universal interest is the Dahlia Show at Vincent's, Cowenton, Md. The eleventh celebration takes place on October 2nd to 6th, this year and preparations are being made by the Messrs. Vincent to bring this year's show to a degree of excellence not heretofore reached. Special trains will run between Baltimore and Cowenton on each day of the show.

South Orange, N. J.—One of the most attractive spots in the country for miles around is the nursery grounds of W. A. Manda this fall. We have never before fully realized the decorative character of Manda's golden privet until seeing it as it is now displayed there in exquisite trimmed standards. It illumines the neighborhood with its yellow glow. The wooded portion of the grounds through which a brook takes its sinuous course is beautifully laid out and

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POTS**

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST
29th & M Sts., Washington, D. C.

CYPRESS GREENHOUSE STOCK**PECKY CYPRESS STOCK****HOT BED SASH***Ask for Circular D and Prices***THE A. T. STEARNS LUMBER COMPANY****NEPONSET, BOSTON****DREER'S "Riverton Special" Plant Tub**

No.	Diam.	Eq.	Doz.	1000
10	20 in.	\$1.20	\$21.50	\$175.00
20	18 in.	1.60	18.50	150.00
30	16 in.	1.25	14.25	115.00
40	14 in.	1.00	11.25	90.00
50	12 in.	.75	8.25	65.00
60	10 in.	.55	6.00	45.00
70	8 in.	.40	4.50	35.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714-716 Chestnut St., Philadelphia, Pa.

planted, presenting a charming picture of tropical glades, vistas arched with tree ferns and palms, rustic bridges spanning the stream and the banks carpeted with an infinite variety of foliage and flowers. In the greenhouses the display is equally pleasing and there is a wealth of new and interesting things to admire, among them a bench of show caladiums of rare beauty. There is a lot of seedling kentias showing a wide variation in form of leaf, color and habit. The big Polypodium Mandianum still maintains its record of growing rapidly and luxuriantly under any and all conditions. There is an insatiable demand for the cut fronds for large floral decorative work.

PATENTS GRANTED

1,239,599. Method of Preparing Seed Beds. Thomas W. Hicks, Minneapolis, Minn.

1,239,687. Lawn Rake. Tomokichi Hanama, Alameda, Cal.

1,239,994. Plant Box. Edgar C. White, Belmar, N. J.

1,240,199. Hoe. William Henry Haas, Raib, Ind.

1,240,361. Mowing-Machine. Charles Pearson, Chicago, Ill., assignor to International Harvester Co., New Jersey.

1,240,561. Power Lawn Mower. Warren W. Gore, Madison, Wis.

1,240,650. Farm Tractor. Robert R. Beatty, Sarver, Pa.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Baltimore, Md.—Robert L. Graham, rebuilding.

Mechanicsville, N. Y.—J. M. Collins, house 36x108.

Hillsdale, N. Y.—Miss M. Lenoria, range of houses.

Olivette, Mo.—C. Young & Sons Co., range of houses.

St. Joseph, Mo.—F. E. Kuhn, Karnes road, four houses.

Springfield, Mass.—J. Fisher, 117 Dawes street, additions.

New Haven, Ct.—Gustav Ginter, Sylvan avenue, house 30x60.

Fort Wayne, Ind.—A. J. Lanternier & Co., conservatory 18x20.

Fairmount, Ind.—Fairmount Floral Co., South Mill street, one house.

Washington, N. J.—Benjamin Casner, N. Belvidere avenue, one house.

Philadelphia, Pa.—Ziegler & Sons, 1100 E. Washington Lane, King house.

Burlington, Ia.—Burlington Vinegar & Pickle Works, range of vegetable houses.

**JACOBS BUILT
GREENHOUSES TO LAST**

HOTBED SASH

Material and Glass

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Prices
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Are properly designed, durable and a source of great satisfaction to their owners.

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USE IT NOW

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Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

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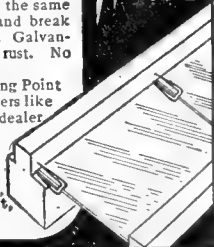
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Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.

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714 Chestnut Street,
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No 2**



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King GREENHOUSES



King Construction Co.
NORTH TONAWANDA, N. Y.

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HORTICULTURE**

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Pecky Cypress Bench Lumber

GLASS

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HOT BED SASH

ALL KINDS AND SIZES

Unglazed—85c. up

Glazed—\$2.05 up.



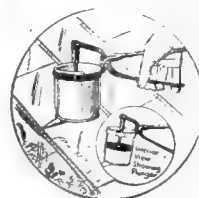
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LIQUID PUTTY MACHINE

Will last a lifetime,
\$1.25 each

"SEAL TIGHT
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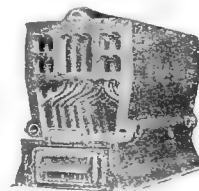
will not harden
crack or peel off
\$1.35 per gallon in
10 gallon lots.
\$1.40 per single
gallon



BOILERS METROPOLITAN

Patented

Very best greenhouse boiler of its size. Will do more work than any other. Comes in all sizes. Quickest acting—almost instantaneous. Offered at our old prices. Order at once.



Metropolitan Material Co.
PATENTED GREENHOUSES

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AND HOT-BED SASHES

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The Florists Hall Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars, address.
JOHN G. ESLER, Sec., Saddle River, N. J.



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Device and Green-
house Fittings

Consult Us

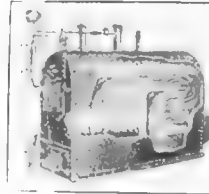
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Advance Co.
RICHMOND, IND.



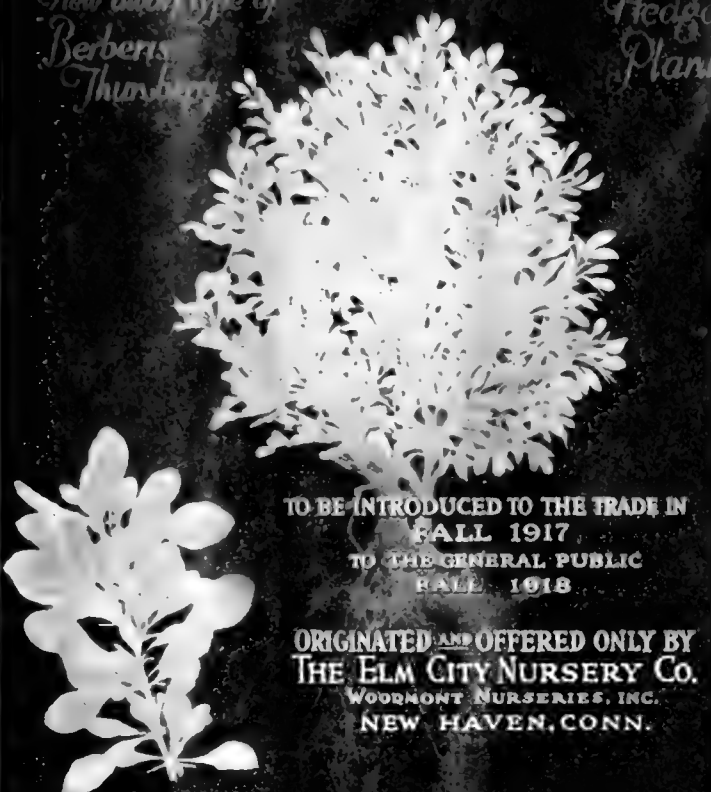
Men who know boilers—AUTHORITIES ON BOILER CONSTRUCTION—admit that our Hot Water Boiler and the Kroeschell Water Tube Steam Boiler are positively the best hot water and steam units ever designed for greenhouse heating.

Kroeschell Bros. Co., 466 W. Erie St., Chicago



Box-Barberry

*New dwarf type of
Berberis
Thunbergi*



*New
Ideal
Hedge
Plant*

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FALL 1917
TO THE GENERAL PUBLIC
FALL 1918**

**ORIGINATED AND OFFERED ONLY BY
THE ELM CITY NURSERY CO.
WOODMONT NURSERIES, INC.
NEW HAVEN, CONN.**

*Natural Size of
Box-Barberry Foliage*

Inquire for Prices

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Box-Barberry

Dwarf Type of

BERBERIS THUNBERGI

NEW EDGE AND DWARF HEDGE PLANT

ORIGINATED at our Nursery sixteen years ago among a batch of Japan Barberry seedlings. It attracted attention in the seedling bed and has been under careful watching since. The original plant is now about 2½ feet wide, and globe-like in shape, its natural form.

It is pronounced a most valuable find by all who have seen either the original plant or the stock we have propagated from it, including experienced nurserymen, landscape architects and gardeners, experiment station men and amateurs.

The public will take to it immediately. It's just what is wanted. As a formal-garden edge plant it is ideal;—this means thousands of it for many a single order. Equally desirable as a low and medium hedge plant, assuring a heavy demand. Trims into perfect formal specimens.

Propagates readily from either hard or soft wood cuttings. Will not come true from seed.

**OFFERED TO THE TRADE FALL 1917
NO RESTRICTIONS**

Offered to the general public and will be freely advertised in Fall 1918 and Spring 1919. Get up a stock and be ready for the certain heavy demand.

**Prices to the Trade. November delivery—
strong two-year old field plants,
no growth removed:**

\$100.00 for 1000	\$250.00 for 500
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\$75.00 for one hundred	\$50.00 for fifty
\$37.50 for twenty-five	\$20.00 for ten
\$10.00 for three	\$5.00 for one

Stock at present exclusively owned by us.

The Elm City Nursery Company

Woodmont Nurseries, Inc.

New Nurseries at
Woodmont, Conn.

New Haven, Conn.

Winter-Flowering Sweet Peas Giant Spencer Varieties

The best that can be procured for winter-flowering under glass

Five Good Californian Varieties

- EARLY SNOWFLAKE.** Large pure white. ¼ oz. 75c., ½ oz. \$1.25, oz. \$2.00.
- EARLY SPRING MAID.** Beautiful cream pink. ¼ oz. 40c., ½ oz. 75c., oz. \$1.25, ¼ lb. \$4.00, lb. \$12.00.
- EARLY MELODY.** Soft rose pink. ¼ oz. 40c., ½ oz. 75c., oz. \$1.25, ¼ lb. \$4.00, lb. \$12.00.
- EARLY SONG BIRD.** Pale pink. ¼ oz. 40c., ½ oz. 75c., oz. \$1.25, ¼ lb. \$4.00, lb. \$12.00.
- EARLY HEATHER BELL.** Rich mauve, changing to lavender. ¼ oz. 40c., ½ oz. 75c., oz. \$1.25, ¼ lb. \$4.00, lb. \$12.00.

Six Splendid Australian Varieties

- (Concord Spencer Types)
- CONCORD PINK.** Beautiful delicate pink.
- CONCORD CRIMSON.** Fine ruby red.
- CONCORD LAVENDER.** Light lavender blue.
- CONCORD WHITE.** Large pure white.
- CONCORD SALMON.** Soft salmon pink.
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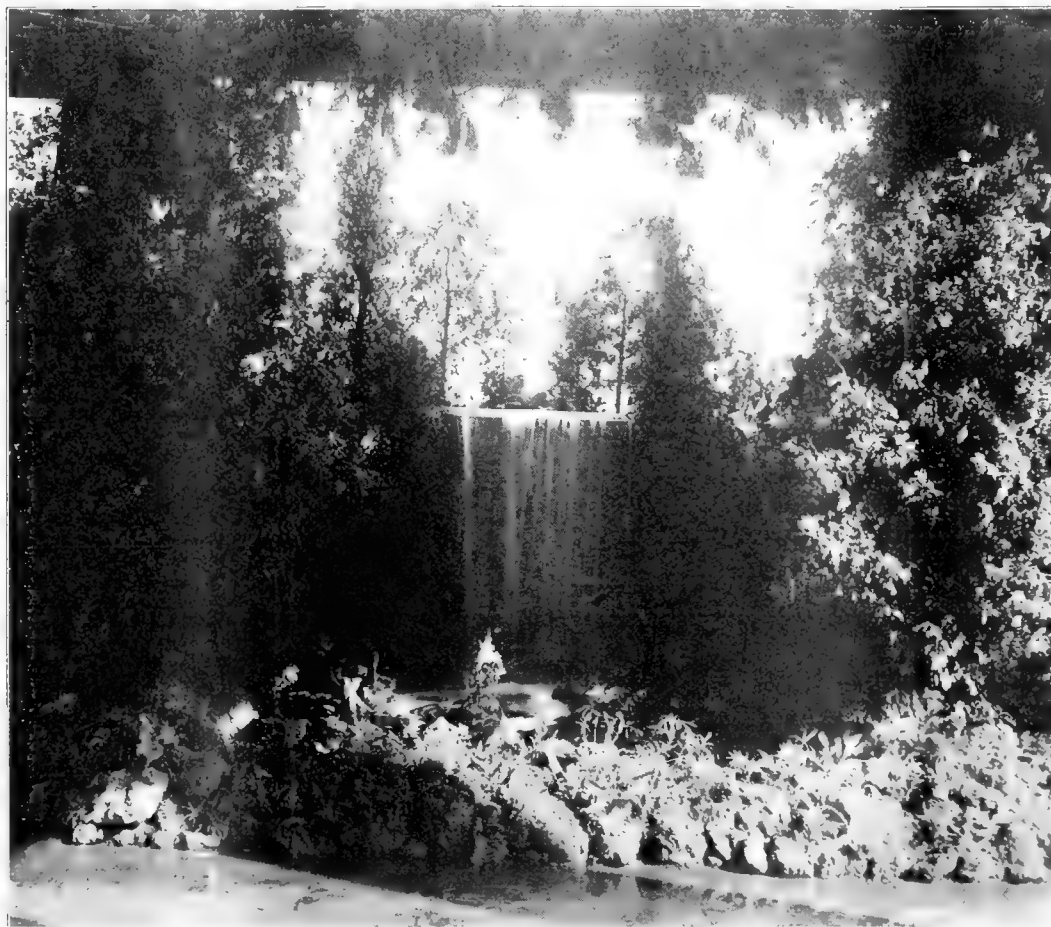
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Vol. XXVI
No. 14
OCT. 6
1917

HORTICULTURE



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pacta, Teddy, Jr. and Superbissima,
6-in. pans, 50c. and 75c. each.

Smithii, 6-in. pans, 75c. and \$1.00
each.

Elegantissima, Elegantissima com-
pacta, Teddy, Jr. and Superbissima,
8-in. pans, \$1.00 and \$1.50 each.

Elegantissima and Elegantissima
compacta, 10-in. pans, \$3.00 and
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THE S. A. F. PUBLICITY CAMPAIGN

Regarding the \$50,000 that the florists of the country are raising for nation-wide publicity in the use and sale of flowers, I think if every florist stopped to realize the benefit of concerted publicity, the comparatively small amount asked for would be subscribed in a week. Right now, is the time to start such an advertising program, just when the fall season is opening up and the mighty effect where many minds are concentrated on some particular object, will be at once apparent. This is not a situation where one can say—"Let the other fellow do it" and the other fellow can say—"Let George do it," etc., etc. Every man with a spark of business ability should be able to see his own particular interest in this campaign. This applies with more particular force to the retailers even than the growers, since the retailer will be the man who will immediately reap the benefit from this program. While I am not belittling for one moment the work of the growers and what he should do, he will in most cases, willingly do his share also.

Too many retailers think that all they have to do is sit in their store and wait for the public to come to them. I have heard retailers argue that the growers should take care of the publicity game, exactly as the wholesale producer of matches and soap or other like product, does. They forget that the man who advertises soap or matches does not have the loss that the growers do, because soap or matches sell just as well next month or next year, but growers are handling a perishable product and should not be asked to carry the whole burden of advertising for the sale of the same.

I think this is a wonderful chance for every retailer, not alone in large cities but in every community. If he will get the literature put out by the Publicity Committee and turn it over to his own local paper, supplementing it with a fair-sized ad. calling the attention of his local people to the product he is handling, he will soon find his sales largely increased. He should let the people know he is a member of the Publicity Committee in their nation-wide campaign. In this way he will find a new dignity attaining to his store and his ideas of business and this should have a wonderful effect on his cash register. I emphasize the retailers' position in this matter because he is the medium between the wholesaler and the ultimate consumer. Without his active aid, much of the effectiveness of the advertising will be lost, whereas if every retailer could be enlisted to put even a card in his window announcing the fact that he is a member of this publicity program it will add to the continuity and reiteration of advertising, which as every advertising man knows is the basis of success.

Every contributor to this fund can rest assured that every dollar contributed will be used in a good and

proper manner. He also will have the use of the advertising experiences of successful men, should he care to ask for it at any time. A recent note from the Publicity Committee states that cuts or plates can be procured at a figure that would be impossible excepting in this wholesale way. These can be procured direct from the committee. Window-cards and posters will be furnished at a price barely covering the cost of printing. These will be written up by experts who know the advertising game thoroughly. In fact the benefits of publicity through the committee, are unlimited.

The growers also, should not stand aside and say—"this is the retailer's business, since he is selling to the customer and it is only boosting his end of the game." If the retailer sells more, he has to get more flowers and the grower will have to produce more and so the benefit is carried out to the end of the chapter.

This is a splendid chance to show what can be done by concerted effort along these lines. "In Union there is Strength," and I predict when this program of publicity is well under way, the appropriation for its continuation will be increased year after year. It is absolutely the biggest thing in sight, supplementing as it does the work of the National Flower Shows, which have been educating the people in the love of flowers, and in this way have increased their sales considerably.

A motion is under consideration in the New York Florists' Club, to be taken up at its meeting on October 8th, to contribute \$1000 to this advertising fund. The motion undoubtedly will go through and it is excellent in its way and will most likely be followed by other florists' clubs throughout the country. The national organization—the S. A. F., will also contribute generously for this purpose, but this does not have the direct personal interest that would come if a thousand florists throughout the country pledged themselves to give \$10 to \$100 each.

While this general advertising program was promulgated by the S. A. F., every florist and grower whether he belongs to the S. A. F. or not, (as a matter of fact every florist should be a member of this Society) should feel it a personal duty on his part to contribute to this fund. Every florist will benefit but naturally the man who contributes to the fund and displays the posters and literature gotten out by the official headquarters will benefit more, since people seeing the advertisements in the magazines, etc., etc., and seeing the posters displayed in florists' windows will be more forcibly reminded that they want flowers and will of course patronize the store where the "reminder" appears.

Get busy, Brother Florist, and show the National Publicity Committee that you are with them in this enterprise which is bound to react beneficially to every branch of the trade.

CHAS. H. TOTTY.

TEAM WORK FOR PUBLICITY.

These days it requires team work to get results—the airmen in France are now operating in teams. So it is with the Publicity Campaign which was properly launched at the recent convention, when about one-fifth of the \$50,000 required was raised in a few minutes. Were you there? Did you do your bit? If not, why not send now a liberal donation to Secretary John Young, No. 53 West 28th St., New York?—who is receiving funds in behalf of the S. A. F. & O. H. specially appointed publicity committees.

This campaign was started for your especial benefit, it will largely increase the sale of your flowers and plants, it is intended to impress the public with the fact that flowers are necessities—not luxuries—and to increase the war-time demand for these necessities. The energetic self-sacrificing men on these committees are freely giving their time and brains to the good work, you should support them by standing your share of the expense. Don't be a slacker, or say "let George do it." You will receive your share of the increased business or protection and should willingly do your share in helping finance the plan.

"What a willing pair of horses you have," said a farmer to his neighbor. "Yes," replied the farmer, "one is willing to work and the other is willing to let him." Don't be that kind of a horse, do your team share of pulling—and if each of the 21,000 florists in the United States contributes his fair share of the expense to this well-organized publicity campaign, the florists' business will receive the impetus it should have but has never before known.

It is greatly to the credit of the officers of the S. A. F. & O. H. that our organization has put the publicity plan into active operation—while other organizations have been pow-wow-ing and discussing as to how it could be done. All credit to President Kerr and the initial subscribers who launched the plan—also to the committees who are merging their individual interests in those of the general welfare. If you have not put up your share, send it at once to Secretary Young. This publicity campaign was inaugurated for you, don't you allow it to lapse. Yours truly,

JAMES McHUTCHISON.

President R. C. Kerr sends in the following pleasing statement:

Gentlemen: I am working on my way to St. Louis and Detroit on the publicity fund and have secured so far subscriptions from one hundred per cent. of the members that I have called upon, which means that every man that I have called upon has subscribed as follows:

Dallas Floral Co., \$25.00; Drumm Seed & Floral Co., \$50.00; J. E. McAdams, \$25.00; Texas Nursery Co., \$25.00; H. O. Hanna, \$10.00.

This only demonstrates the great interest the florists are taking in this movement and I think you will find it an easy matter to get at least 75% of the florists as subscribers to this fund, if we can only reach them. It is up to the interested workers to get busy.

Yours very truly,
R. C. KERR.

HORTICULTURE

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 147 Summer Street, Boston, Mass.
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The store florists' awakening

The horticultural interests, without exception, are going through an eventful period—we might say, an epoch-marking period. The entire business structure is, in fact, undergoing a change so radical as to be almost revolutionary. The awakening of the distinctively retail store class of the florist business now for the first time to its inter-relationships and its opportunities for progress through nation-wide cooperation is, perhaps the most remarkable

among recent developments. The publicity campaign now actively under way is an impressive outward manifestation of the new comprehension and broad gauge grasp which we trust is destined to advance the florist business to its rightful position among the worthy commercial industries—a place which, but for lack of intelligent cohesion, it might have attained long since. Doubt has been expressed in some quarters as to whether, even now, the progressive spirit is sufficiently aroused throughout the trade to effectually drag it out of the primeval condition of selfish indifference which hitherto has made the outlook for improvement appear so hopeless. In our felicitations over the present inspiring evidences of regeneration we must not fail to give credit to the Florists' Telegraph Delivery Association as a prime mover and zealous unifying influence. The difficult foundation work has been creditably done and current events as chronicled in our columns from week to week seem to justify hopeful confidence for the complete success of the ambitious plans which are now being so zealously pushed.

The growers' po- sition

A correspondent expresses the opinion that the purpose and responsibility attaching to the campaign for popularizing the products of the florists' art belong in the larger degree to the retail flower dealer and that the grower's interest is rather a secondary one. We are unable to reason it out in that way. Too long has the grower gone along, bemoaning the conditions and the inadequate compensation for his skill and labor, ever contending with the retailer on the question of prices but never venturing beyond into the broader question of how the market value of his product might be built up and standardized, consumption increased and shrinkage minimized on lines of action which have been developed and successfully followed by so many of the country's great manufacturing industries. Plant and flower growing commercially is manufacturing, pure and simple. The manufacturer, whether of flowers or any other commodity, under present day conditions, who proposes to sit back and leave to the store man the whole responsibility of popularizing his wares is in a fair way to "get all that's coming to him" in the line of obscurity and misfortune. There is convincing evidence in the list of names of heavy subscribers to the S. A. F. publicity fund that the wholesale growers are at last coming to their senses and intend hereafter to do their part towards securing for their goods a wider publicity and a much greater appreciation by all the people. No doubt there will be "slackers," unwilling to assume any part of the burden but very glad to profit from the enterprise and generosity of their fellows. Unfortunately they cannot all be rounded up and forced to do their bit as in the case of the war slackers but we hope their numbers in this instance will be very small and that the response to the call to duty may be both widespread and willing.

AMERICAN DAHLIA SOCIETY

The annual meeting of this society in New York last week was harmonious and full of spirit. About forty members were present. We take pleasure in presenting the address of President Vincent and the annual report of Secretary Dick. The reports by Professor Hall on Nomenclature and LeRoy Cady on the dahlia trials at St. Anthony Park, St. Paul, Minn., were thorough and will be notable additions to our dahlia literature. The old board of officers was unanimously re-elected to serve for another year except that Major Vandt of San Raphael, Cal., succeeds W. O. Wyckoff as a vice-president. It was voted that the society buy a \$100 Liberty Bond. There was an enjoyable banquet in the Hotel Navarre, about forty guests being at the table.

PRESIDENT VINCENT'S ADDRESS.

Once more the hand of time has brought us together at this our third annual Dahlia Show, and with this grand exhibit, the interest and enthusiasm being shown makes me feel certain that we can show to the world our ability and the necessity to carry forward the American Dahlia Society to as great a success as any other organization of a similar character. With united effort there is undoubtedly a great future before us.

I appreciate more than ever, as the society continues to grow and broaden out, the high honor you conferred upon me when you elected me president. Although there has been considerable work connected with this office, it has been for the main part a work of love, especially so with the kind assistance, good help and cheer from the various members of my staff and co-workers, particularly the secretary and the executive committee.

We aim to get everyone that has a garden and plants flowers interested in growing a few plants of the newer and more beautiful types of Dahlias, knowing that if they once do, and anything like a reasonable success crowns their efforts, they will continue to be lovers of this lovely flower the rest of their days, and will soon become members of the American Dahlia Society, co-operating with us and helping us to get other new members.

The past year has shown an increase in membership, not the number we expected, but showing the ever-increasing interest in the Dahlia; our making a straight membership fee seems to have worked successfully.

Our quarterly bulletin is doing a great work. The articles have been plain and to the point regarding varieties suitable for every purpose, also the mode of propagating, planting, growing, fertilizing, staking, storing roots, etc. Every point necessary, as far as possible, has been touched upon to such an extent that any interested amateur ought to be able to get sufficient knowledge from these articles to make him a successful grower of good Dahlia blooms.

Let everyone who loves this beauti-

ful flower co-operate with us by interesting their friends to become members, telling them of the wonderful capabilities of the Dahlia, although it looks as if we had reached the highest point to which the Dahlia can be brought, but with the constant development shown at this exhibition in new and improved seedlings and varieties, it would take more than a wizard to tell us to what point of perfection our hybridizers will bring us.

It is hard to figure out how much we are indebted to the American Institute and its officers for their assistance in the placing of these rooms at our disposal, also in the amount of advertising, publicity, etc., and above all the help from the secretary and other officials connected therewith.

We needed just such help, especially during the present season when almost everything is being reserved for war purposes, but with the dark shadow of war upon us we realize, as we never did before, the necessity of keeping something of the bright side of life before the people, and we are doing it with the Institute's help, in giving this beautiful Dahlia show, and we hope you appreciate our efforts and the courtesy and kindness of the officers and directors of the Institute.

We are still short of the number of S. A. F. members which we hoped to obtain, and if we could have accomplished this it would have given us a standing on the board of the mother society, equal to the Rose and Carnation Societies. Let us strive earnestly during the coming year to accomplish this, as in doing this we will help build up the Society of American Florists and Ornamental Horticulturists as well as our own, to that point which we hope to see reached by every horticultural organization.

Classification and Nomenclature Committee.

We believe the report of our nomenclature committee, through Prof. Hall, will be found interesting, but everything cannot be accomplished at once, as we have a peculiar flower to deal with in the different types that are being brought forward, and no one at the present time can say where this is going to end.

I, for my part, advocate as many different types as possible. We certainly must not curtail them, but rather encourage them, as we know not what the future has in store for the Dahlia lover. What is wanted is to reduce, to a certain extent, the indifferently varieties that already exist. We also think our nomenclature committee ought to pass on new varieties carefully before the premiums or certificates are given, as this is sometimes the cause of duplication of varieties.

There has been some criticism regarding the classification as adopted by our society with the different types running into one another. We realize that the committee has a difficult task, and no doubt as the years go by there

will be more problems for them to solve.

The thanks of the society ought to be given to the nomenclature committee for its untiring work and energy in separating classes and naming varieties, and it is my sincere wish that the same members of the committee be retained, as they thoroughly understand the work that has been placed before them.

Trial Grounds.

We have not as yet succeeded in getting a trial field in the Government Grounds at Arlington similar to the one the Rose Society has, but hope to in the near future.

We are looking for good results from Prof. Hall, of Geneva, N. Y., Experiment Station, and also from Prof. LeRoy Cady of St. Paul, Minn., reports of which will be published in the bulletins later. We have also had a number of applications from different sections for Dahlias for trial purposes. Some of our members responded; others, like ourselves, had to decline, both on account of shortage of stock and lack of sufficient labor to help select and label varieties.

Our neighbors on the Pacific Coast have also a trial ground at San Rafael, and are testing out a number of varieties of California origin, also new and old varieties of American and European origin, and we expect to have a report published in our bulletin. They have, in the California Dahlia Society, one of the strongest floral societies on the Pacific Coast, and our good wishes are with them.

The ambition of our society is to see all varieties thoroughly tested out and every opportunity will be given to amateurs, as well as large growers, to exhibit, and if they wish to have a place in the trial gardens for their seedlings alongside of others of like character, and have them tested out and prove their quality.

SECRETARY'S REPORT.

The year has been one of considerable activity, although no new features have been added to the society's program.

The publication of the bulletin has been much appreciated by the members. Three issues have been made, one in December, 1916, a double edition in March, 1917, an eight-page bulletin in August last, and before the end of the present year another will be published.

A large number of cultural matters have been dealt with, while there have been articles also discussing the best varieties in the leading sections of the Dahlias, others discussing the classification of the flower, and there have been papers dealing with the commercial cultivation and selling of Dahlias.

The society has yet to publish its definition of the term "amateur," and has still to adopt a scheme of points for judging.

The committee regrets that owing to the very considerable expense that would be entailed in the proposed publication of Prof. F. H. Hall's list of 6,000 Dahlia names, this matter has had to be indefinitely deferred.

Reports from the trial grounds last year were published, and in the next bulletin reports from Geneva and St.

Paul trial groups will, it is hoped, again appear.

The number of members on our books at the end of the present financial year is 273.

Our bank balance shows an increase over last year of \$1.16, the total balance being \$466.15.

Among the new seedlings that have been registered with the society are the following: Splendid (N. Miller), Felicia (W. W. Wilmore), Fred Newman (W. W. Wilmore), Jean Kerr (Burpee & Co.), John W. Schlosser (N. F. Vanderbilt), John D. Rockefeller (Burpee & Co.), Kia Ora (W. W. Wilmore), Mrs. C. H. Stout, Cactus (Duthie), Mrs. Minnie Fallon (N. F. Vanderbilt), Mrs. John Grubel (Burpee & Co.), and Western Queen (N. A. Miller).

The only member's death of which the secretary has received notice was that of Wm. Batchelor, Geneva, N. Y.

The society's medals have been exchanged with the Toronto Horticultural Society of Canada, while two silver and two bronze medals were awarded as special prizes at the Dahlia Show of the New Haven Co. Horticultural Society, Sept. 19 and 20 this year.

The affiliated societies still remain three in number, the California Dahlia Society, the Short Hills Garden Club, and the Oyster Bay Horticultural Society.

The American Dahlia Society received with satisfaction the intimation of the union of the two Dahlia organizations in San Francisco, which amalgamated as the California Dahlia Association.

Our society, and the Dahlia as a flower, were very specially honored in the June issue of *New Country Life*, published by the Doubleday Page Co., Garden City, L. I., when an eight-page supplement, together with a remarkably fine historical survey of the Dahlia, by Prof. F. H. Hall, appeared. The owners of the magazine gave the members of the society the privilege of purchasing copies at the low price of 25c. each, and a considerable number availed themselves of this.

The society again also feels itself deeply indebted to the liberality and courtesy of the Board of Managers of the American Institute of Arts and Sciences for their ready acquiescence in our proposition to hold a show with them here at this time. Without their aid such an extensive show could scarcely be expected. To Mr. Eagleson, secretary of the American Institute Society, we are especially under obligation.

Arrangements have been made to hold an exhibition in conjunction with the Massachusetts Horticultural Society at Boston in September, 1918. This will furnish New England members an opportunity to exhibit under the auspices of our national organization.

Although the season has been a checkered one from the point of view of the cultivation of Dahlias, the secretary can report most emphatically and enthusiastically of the wonderful interest at present evident in regard to Dahlias, and can speak with the greatest encouragement as to the progress the flower is making, both as an ornamental cut flower and for

garden decorative purposes. It is a flower grand enough for the grandest, and adaptable for the humblest and the smallest yard or garden.

Report of the Dahlia Trial Station, St. Anthony Park, St. Paul, Minn.

Owing to my illness early in the year, no special effort was made to bring in new lots of dahlias for the station. The season of 1916 was unusually poor and the tubers made very little growth, in many cases not enough growth to carry them through the winter so that there was considerable loss of varieties. Some of these we attempted to start in the greenhouse and take cuttings from them, but many of the tubers did not have enough vitality even for this treatment.

As many as were brought through the winter were planted in good season in well prepared land. A few of those planted did not have vitality enough to come out of the ground, but somewhere between 400 and 500 plants started nicely and made good growth until struck by dry weather during the last of July and August. Many of the plants have been stunted owing to drought. A frost the 10th of September injured the foliage on part of the plants, but most of them withstood the frost and are sending out new growth and in many cases blossoming nicely at this time. Another week or ten days of good growing weather will give us a fairly good showing of dahlias. This season has been unfavorable in some respects, although not quite as bad as last year.

I think it would be desirable to continue the garden trials of a good number of dahlias as they seem to create a good deal of interest. If this meets with the favor of the officers of the society I will be glad to receive tubers, either late this fall or in good time for planting next spring, of any desirable varieties.

I shall make a little more detailed report later in the season when we have had opportunity to go over the varieties.

LE ROY CARY.

THE EXHIBITION.

The joint Dahlia Show of The American Institute of the City of New York and The American Dahlia Society was held at the Engineering Building, New York City, on September 25th, 26th and 27th, and is unanimously declared by those who attended to have been the best dahlia exhibition ever staged in New York. Over 10,000 flowers were shown. There were two sets of premiums—one being the regular schedule list of the American Institute and the other comprising a list of special premiums offered by individuals and firms through the American Dahlia Society. In the American Institute list of winners we find the following names.

The Awards.

Commercial and "Open to All" Classes: W. D. Hathaway, New Bedford, Mass., four 1st, four 2nd; J. H. Stocomb, New Haven, Conn., one 1st, two 2nd; N. Harold Cottam & Son, Wappingers Falls, N. Y., seven 1st, six 2nd; C. Louis Alling, West Haven, Conn., eight 1st; six 2nd; Alfred E. Doty, New Haven, Conn., four 1st, three 2nd;

Leonard & Weber, Trenton, N. J., two 1st; Mrs. O. P. Chapman, Jr., two 1st; J. F. Anderson, Bernardsville, N. J., each one 1st; D. V. Howell, Peconic, N. Y., one 2nd; Mills & Co., Mamaroneck, N. Y., two 2nd; "Gardeners" and Amateurs' Classes: P. W. Popp, Mamaroneck, N. Y., three 1st, two 2nd; W. C. Noonan, Locust Valley, N. Y., four 1st, one 2nd; Oscar Carlson, Fairfield, Conn., four 1st; John Harding, Greensboro, Conn., one 1st (50 years); J. W. Kirby, Huntington, N. Y., two 2nd; Amateurs Only: F. R. Austin, Tuckerton, N. J., took most of the prizes, others were Mrs. Chas. H. Stout, Short Hills, N. J., and Wm. Carow, Orange, N. J.

Special or conspicuous displays were given to George L. Stillman, Westerly, R. I.; R. Vincent, Jr., & Sons Co., Whittemarsh, Md.; Mills & Co., Mrs. O. P. Chapman, Jr., Leonard & Weber, W. D. Hathaway, W. C. Noonan, N. Harold Cottam & Son, and P. W. Popp. John P. Rooney, New Bedford, Mass., was awarded a diploma for a superb basket of his Peony-Dahlia Mrs. Frederick Grinnell, this being the first time this new variety has been publicly shown commercially.

The special prizes of the American Dahlia Society were awarded as follows:

Mitchell's Seed House gold medal for display, any or all classes, 100 sq. ft. or over: W. Atlee Burpee & Co.

American Dahlia Society's bronze medal for display, 50 sq. ft.: N. Cottam & Sons, Wappingers Falls, N. Y.

Bessie Boston Dahlia Gardens prizes for six vasea collarette varieties: 1st, N. Cottam & Sons; 2d, C. Louis Alling, West Haven, Conn.

Peter Henderson & Company's prizes for bowl or vase decoration: 1st, P. W. Popp; 2d, W. C. Noonan.

Henry A. Dyer prize for basket or hamper of cactus dahlias: P. W. Popp.

W. Atlee Burpee & Company's prize for vase of ball-shaped double dahlias: P. W. Popp.

John Scheepers & Company's prize for decorative exhibit: John F. Anderson, Bernardsville, N. J.

Mrs. Samuel H. Taft's prize for box of dahlias cut and packed for market: Leonard & Weber, Trenton, N. J.

R. Vincent, Jr., & Sons Company's prize for vase of single or duplex: 1st, P. W. Popp; 2d, Mills & Co.

W. Atlee Burpee & Company's prizes for vase of modern cactus dahlias: 1st, P. W. Popp; 2d, W. C. Noonan.

George L. Stillman prize for most meritorious and unique amateur exhibit: Frank R. Austin.

Geo. L. Stillman prize for smallest dahlia in the show: Alfred E. Doty.

Garden Magazine Achievement medal for best exhibit in the amateur classes: Frank R. Austin.

Mrs. Chas. H. Stout prize for vase of new seedlings of current year grown by an amateur: J. Kirby.

PENNSYLVANIA HORTICULTURAL SOCIETY.

Horticultural Hall, Philadelphia, has been sold. Possession was given to the new owners on August 1st. This society receives \$350,000 less some legal expenses and commission as its equity in the property. This money has been invested by the trustees under the Schaffer bequest, and the interest will be paid over to this society February 1st and August 1st of each year. The executive council has rented a large room, 606 Finance Building, South Penn Square, for the office and library of the society. The next exhibition will be the Annual Exhibition and Chrysanthemum Show in November. The place of holding the exhibition has not yet been selected. The executive council has engaged Griffith Hall in the Crozier Building, 1420 Chestnut street, for the lecture course during the coming season. There will be five (5) lectures commencing with November.

DAVID RUST, Secy.

Winter-Flowering Sweet Peas Giant Spencer Varieties

The best that can be procured for winter-flowering under glass

Five Good Californian Varieties

- EARLY SNOWFLAKE.** Large pure white. $\frac{1}{4}$ oz. 75c., $\frac{1}{2}$ oz. \$1.25, oz. \$2.00.
EARLY SPRING MAID. Beautiful cream pink. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.
EARLY MELODY. Soft rose pink. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.
EARLY SONG BIRD. Pale pink. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.
EARLY HEATHER BELL. Rich mauve, changing to lavender. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.

Six Splendid Australian Varieties

- (Concord Spencer Types)
CONCORD PINK. Beautiful delicate pink.
CONCORD CRIMSON. Fine ruby red.
CONCORD LAVENDER. Light lavender blue.
CONCORD WHITE. Large pure white.
CONCORD SALMON. Soft salmon pink.
CONCORD BLUE. Dark purple blue.

Prices of Concord varieties:
 Per pkt. (50 seeds) 40c., 5 pkts. for \$1.75.

YARRAWA MOST POPULAR ROSE PINK
 $\frac{1}{2}$ oz. 40c., oz. 75c., $\frac{1}{4}$ lb. \$2.25, lb. \$8.00

STUMPP & WALTER CO., 30-32 Barclay St., NEW YORK CITY

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

National Campaign for Publicity for Flowers.

The Publicity Finance Committee reports the following contributions to be paid annually for a period of four years:

Hayman Greenhouse Co., Clarksboro, W. Va.	\$10.00
J. W. Dudley & Sons, Parkersburg, W. Va.	50.00
W. Bruce Clinger, Milton, Pa.	5.00
The Belmont Flower Shop, Brockton, Mass.	25.00
Winter Floral Co., Charleston, W. Va.	15.00
Randall's Flower Shop, Worcester, Mass.	50.00
G. W. Pfaltzgraff, York, Pa.	5.00
A. Harvey & Son, Brandywine Summit, Pa.	30.00
L. B. Brague & Son, Hinsdale, Mass.	10.00
Wm. J. Johnston, Baltimore, Md.	25.00
J. H. Fiesser, No. Bergen, N. J.	25.00
Chas. Schwacke & Co., New York City	25.00
Philip Breitmeyer, Detroit, Mich.	100.00
Rodgers Floral Co., Charleston, N. C.	25.00
Mark Aitken, Springfield, Mass.	50.00
Henry Eichholz, Waynesboro, Pa.	10.00
Martin C. Ribsam, Trenton, N. J.	25.00
Arthur Dummett, Inc., Mt. Vernon, N. Y.	10.00
Butler & Ullman, Northampton, Mass.	25.00
Frey & Frey, Lincoln, Neb.	25.00
A. S. Burns, Jr., Spring Valley, N. Y.	100.00
Henry Hornecker, East Orange, N. J.	25.00
Davidson Floral Co., Holdrege, Neb.	5.00
George Rye, Fort Smith, Ark.	5.00
Drum Seed & Floral Co., Ft. Worth, Texas	50.00
Total	\$730.00

JOHN YOUNG, Secy.

Sept. 22nd, 1917.

ST. LOUIS CONVENTION COMMITTEES.

A get-together meeting was held on Sunday, September 30th, at 2 p. m. at the Planters' Hotel. Jules Bourdet presided and assured the National Flower Show Committee members who were present that they would work hard to make the show a success. Thomas Roland, George Asmus and John Young made speeches. The following committees were appointed:

Local Exhibition Committee, Jules Bourdet, chairman. Out of town, W. J. Pilcher. Concession, George Windler, chairman. Committee at large, Otto Koenig, Dr. Geo. W. Moore, H. G. Berning. Lectures and Interests in Children's School Gardens, H. C. Irish, chairman. Trade tickets, August Hummert. Special premiums, D. S. Geddes. Information, W. W. Ohl-

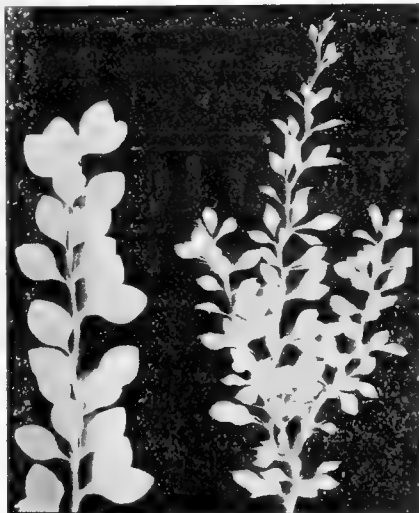
weiler. Decoration, F. H. Weber. Special features, W. A. Rowe. Music and Red Cross, John S. Carter. Nursery, C. C. Sanders. Aquarium, Chester Lloyd.

Halls, lease and contracts, J. F. Ammann, chairman, W. C. Smith, Julius Koenig, F. H. Meinhardt, W. W. Ohlweiler.

Publicity, J. J. Beneke, F. X. Gorly, F. C. Weber, Jr., Chas. F. Hatfield, Frank Windler, August Hummert, H. C. Irish, H. G. Berning, Geo. W. Burbach.

Grounds improvement, L. P. Jensen. Ernst Strehle and L. Baumann.

THE BOX BARBERRY.



Direct Sun Print from Nature, comparing the normal form of Japan Barberry with Box-Barberry.

Some inquiry having been made as to the comparative size of the foliage on the normal form of Berberis Thunbergi and the new dwarf form being distributed to the trade for the first time this fall, the introducers, Elm City Nursery Co. of New Haven have sent us the accompanying illustration which fully answers the question.

The plant is well adapted for low edgings as a hardy substitute for box and as a specimen plant it is a little beauty. It fruits freely and in all respects except its liliputian proportions is identical with the typical form.

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

This club will hold a special vegetable exhibition in Horticultural Hall, Boston, on Tuesday, October 9. Competition is open to all, and it is hoped that there may be liberal entries in all classes. Suitable prizes will be awarded. Exhibits must be ready for adjudication at noon on the day of the show. The general public will be admitted free after one o'clock. At the regular club meeting in the evening there will be a number of short talks on vegetable culture by experts.

Anyone wishing to contribute special prizes or towards the prize fund is asked to communicate with the secretary. Honorary displays from firms or individuals will be welcomed and given good care.

Exhibits forwarded per express should be addressed: Gardeners' and Florists' Club of Boston, Horticultural Hall, Boston; should be prepaid and should arrive, if possible, before 10.30 a. m., October 9, in order to allow time to properly stage and classify them.

CLUB AND SOCIETY NOTES.

The regular meeting of the Cincinnati Florists' Society will be held at Frank Volz's on Dina avenue, Cheviot, on Monday, October 8, at 2.30 p. m.

Owing to the backward season, the Collingswood (Pa.) Horticultural Society has postponed its fall flower, fruit and vegetable show to Oct. 12 and 13.

The meeting of the Auburn, N. Y. Rose Society, Sept. 3, was of unusual interest. Charles A. Cannon presided. A. H. Hamilton gave a blackboard demonstration of rose pruning. A number of difficulties that the rose growers experience were discussed and remedies suggested. Nine new members were elected. A communication was received from the Syracuse Association, pledging hearty co-operation and support.

OBITUARY.

Margaret Montgomery.

Margaret, only daughter of Robert Montgomery, died at their home in Natick, Mass., on September 14, after a long sickness. Her age was 32 years.

Local and General News

BOSTON.

W. A. R. ... well started ... single violet.

W. A. R. ... has ... Shop at 406 ... which has ... for some years.

The Horticultural Club of Boston at its October session, Wednesday night, October 3, took special notice of the fact that Patrick Welch is celebrating the fortieth anniversary of his starting the cut flower commission business in Boston and extended enthusiastic congratulations and good wishes. D. J. Pagano of New York and P. J. Donohue of Boston were guests. Thomas Roland, who had just returned from the west, had some blooms of the sensational new rose Columbia. It would be hardly possible to say too much of the beauty of this new-comer.

Mayor Curley has sent to the City Council an order for transferring from the Parkman Fund to the Park and Recreation fund \$100,000 for the further improvements of the public parks. It is planned to expend this \$100,000 as follows: \$25,000 for replanting shrubbery and the continuation of oak tree planting from the Riverway at Simmons College to Franklin Park; \$30,000 for improvement of buildings and reconstruction of the water supply system at Franklin Park; \$15,000 for concrete walks on the Boylston and Charles streets sides of Boston Common; \$30,000 for permanent roadway improvements along the Fenway from Charlesgate West to Charlesgate East.

CHICAGO.

P. J. Foley, president of the Foley Greenhouse Mfg. Co., is back from a business trip through the middle west.

Artificial flowers have their place, but there really seems no excuse for the manufactured pussy willows now shown.

Quite a large number of the representative men of the trade left on Monday night for the F. T. D. convention at Detroit.

The many friends of E. G. Hill, who was operated on at the Presbyterian Hospital in Chicago recently, are pleased to learn that he is convalescent and able to see his friends.

Garden product exhibits are nearly over, having been quite a feature the past month. It was noted that when the schools and community centers were back of the garden movements the results were usually satisfactory.

Nic Monson, retail florist at 3640 Fullerton avenue, has for his guest his father, M. J. Monson of Bergen, Norway, who has just arrived and expects to remain for some time. Mr. Monson's last visit to this country was made forty-five years ago.

It is gratifying to the growers here

We are booking orders rapidly for the two sensational

ROSE NOVELTIES FOR 1918

Columbia and Ophelia Supreme

It is definitely known that there will be a shortage of Manetti so it will be a case of "first come—first served," on grafted stock.

Grafted, \$35 per 100. Own Root, \$30 per 100

CHARLES H. TOTTY,

MADISON,

NEW JERSEY

Julius Roehrs Company PLANTSMEN

Orchids, Conservatory Plants, Novelties, Begonias, Garden Perennials.

Finest Stock in America for Trade or Private Requirements.

RUTHERFORD, NEW JERSEY

IF in need of RELIABLE NURSERY STOCK

that is well grown, well dug and well packed

Send to the BAY STATE NURSERIES

Wholesale and Retail

NORTH ABINGTON, MASS.

STUART LOW & CO., ROYAL NURSERIES

BUSH HILL PARK, ENFIELD
Near London, Eng.

Specialists in Orchids, Acacias, Fruit Trees, Grape Vines, Palms and Roses

Any communications addressed to HARRY A. BARNARD, HOTEL ALBERT, NEW YORK, until end of October will have prompt attention.

to learn of the safe arrival in New York of the boat carrying bulbs. Advice has been received that the twelve or thirteen hundred cases whose destination is Chicago and vicinity are now en route from New York.

Lawrence Jensen of the Jensen Flower Shop suffered a loss of \$20 and damage to his store and cash register on Friday, September 28. Someone broke in the rear door, apparently, and broke open the cash register. No clew to the perpetrator has been found so far.

The fall opening of the Marshall Field store took place October 1. It is always an event from the decorative standpoint. Many palms and ferns were used, running into the thousands, and at intervals were boxes of aster plants, which kept up only fairly well. Cut flowers were noticeably absent in all the fall openings this year.

At a meeting of the wholesalers, last Monday evening, the proposition of closing at 5 o'clock the year round

was discussed and seemed to meet with the approval of those present. As the express companies will not collect after 5 o'clock and there is very little local trade after that hour it would seem the desirable thing to close early. A. L. Vaughan, who has been in intimate touch with the Chicago wholesale market for many years, in discussing the question of 5 o'clock closing, which he heartily favors, recalls the time when it was thought necessary for some one to sleep at the store in order to receive night telegrams. He says that florists have changed many methods of conducting business in the past 25 years and believes many more changes will come.

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LAGER & HURRELL, Summit, N. J.



New Dwarf Solanum, Cleveland

New Dwarf Solanum CLEVELAND

A sterling Thanksgiving and Christmas novelty of dwarf, compact growth, carrying its berries well above the foliage. Has great lasting qualities. Ready Nov. 15th.

Orders booked now; 3-inch, \$15.00 per 100; 4-inch, \$25.00; 4-inch select, \$35.00; 5-inch, 50c. each; 5-inch select, 75c.; 6-inch, \$1.00; 6-inch select, \$1.25 and \$1.50; 7-inch, \$2.00; 8-inch, \$3.00.

Mr. Carl Hagenburger,
Mentor, Ohio.

Dear Sir:—Will you please reserve two thousand of your Cleveland Cherry Plants in the different sizes for Fall and Holiday trade. Past experience has proven that these plants give entire satisfaction to our customers, and are very profitable to handle.

Yours very truly,

THE JONES-RUSSELL COMPANY.

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SAVE COAL

BY GROWING THE FOLLOWING COOL CROPS,
FOR WHICH WE ARE NOW BOOKING ORDERS
FOR LATE OCTOBER DELIVERY

SIM'S HYBRID YELLOW POLYANTHUS. Selected spring divisions, field grown clumps, \$7.50 to \$10.00 per 100, \$50.00 to \$75.00 per 1000, according to size.

SIM'S HYBRID YELLOW POLYANTHUS SEEDLINGS. Saved from selected plants, a small percentage may not come true; fine plants, fine for cutting, \$7.50 to \$10.00 per 100, \$50.00 to \$75.00 per 1000, according to size.

ENGLISH PRIMROSE SEEDLINGS. From a reliable source, fine, field-grown clumps, \$7.50 to \$10.00 per 100, \$50.00 to \$75.00 per 1000, according to size.

ALPINE AURICULAS. Make fine, spring pot plants, large plants, suitable for 5 and 6-in. pots, \$12.00 per 100, \$100.00 per 1000. These are fine plants and a fine strain.

AURICULA SEEDLINGS. \$7.50 per 100, \$50.00 per 1000.

PRINCESS VIOLET PLANTS. Field-grown, \$7.50 per 100, \$50.00 to \$60.00 per 1000.

WILLIAM SIM, Cliftondale, Mass

NEW YORK.

We are sorry to learn that W. L. Trumppore's health has become so impaired that he is not able to leave his home in Stapleton, Staten Island.

Henry Schmidt of North Bergen, N. J., was married on Thursday, September 27. The happy couple started for a short honeymoon trip to Niagara Falls, Toledo and the west.

W. P. Ford has been obliged to go back to the hospital and undergo another operation on his injured knee to remove a piece of bone which the X-ray had overlooked in the previous operation.

Chrysanthemum Unaka has sported to a fine bronze form with E. W. Fengar at Irvington, N. J. Like its parent it blooms too early for the shows. Mr. Fengar also has a bronze sport from Mrs. W. Buckingham, the well-known late single pink.

Rather than accede to what they consider unfair and prohibitive demands on the part of seventy-three employees who went on a strike two weeks ago for shorter hours and a higher scale of wages, Peter Henderson & Co., have decided to close up their greenhouse department in Jersey City. The company, however, will continue to use its warehouses and will also use certain of the greenhouses for storage purposes.

The most advanced pink chrysanthemum at Frank Dinda's place in Farmingdale is Alex. Guttman. This exceptionally fine early pink has been

described here before and we were pleased to see it in such excellent shape again this season. Mr. Dinda has a bronze sport from this variety which he is watching closely and which thus far shows all the good qualities of the parent, with which it is identical in all points except the color. Unaka and Glenview are both seen in splendid form here.

The floral department of the Mincola Fair last week was a brilliant and popular feature. Among the exhibits were aquatic plants and flowers from Henry A. Dreer, Philadelphia; dahlias, by John Lewis Childs, Inc., Flowerfield; D. V. Howell, Peconic; Seaside Dahlia Farm, Westhampton Beach, and the Long Island Dahlia Gardens, Hicksville. Special display of gladioli were made by E. S. Miller, Wading River; Henry Weston, Hempstead, and John Lewis Childs, Inc. Henry Weston was the judge of the competition confined to professionals of Queens and Nassau counties.

Accompanied by Alex Guttman we took a hurried trip to Hempstead to see the new scarlet carnation Olive Whitman one day this week. M. Matheron, who has this prime novelty, a cross between Beacon and Victory, is recognized as one of the most successful carnation growers. His houses are fully up to their usual excellence and no variety makes a better showing of health and vigor than Olive Whitman, of which he has four benches. The date of the introduction of this variety has not yet been de-

cided on. Mr. Matheron has a house of sweet peas already well started.

CLEVELAND.

Leon W. Fiske, landscape architect and head of the American Landscape School of Newark, N. Y., has taken up quarters at Willoughby, a suburb of Cleveland, and will spend about two months carrying out a landscaping project on the estate of Edward W. Moore. The estate contains 3,000 acres. Mr. Fisk is accompanied by his bride of a month, who was Miss Pauline Miller, of Newark, N. Y.

The manner in which the world war is teaching the United States to be independent is well illustrated in the manner in which willow basket making has sprung up in America since the German supply has been cut off. "We are making all our own willow baskets right here in Cleveland," said W. Q. Potter, of the W. Q. Potter Co., wholesale florists, of High avenue, Cleveland. "Not only that but even though using masculine labor we are making them as cheaply as we used to get the German and French baskets and we do not have to wait for delivery. We are only using willow which has been growing about Cleveland for years in the greatest profusion.

Cincinnati — Mr. and Mrs. Gus Adrian, Sr., have returned after having spent three months at their cottage at Las Chenaux, Mich.

SEED TRADE

Select More Seed Corn.

Five dealers in the United States and say they desire to secure a large amount of seed corn for the coming year. The corn crop in the United States is in a condition that justifies the United States Department of Agriculture for the consideration of farmers. The Department believes that much more than the usual acreage of corn will be planted next year, and that now is the best, surest, and easiest time to get the necessary seed. The five reasons for increasing the seed corn supply are:

- (1) First-class seed corn is scarce almost every spring.
- (2) Extended plantings and replantings practically exhausted the hold-over supply last June.
- (3) In some sections this year's crop has been destroyed by drought or early frosts. Farmers of these sections should now arrange to secure seed from localities possessing climatic conditions similar to their own.
- (4) In the localities favored with a crop this year, next year's crop may be destroyed, and there should now be selected a supply of locally adapted seed for 1918 and a hold-over supply for the 1919 planting.
- (5) Hail storms, floods, and droughts yearly destroy millions of acres of young corn, making second and third plantings necessary. Seed corn dealers who provide ample supplies of seed of early maturing varieties render valuable service by prompt deliveries for these emergency plantings.

The Dutch Bulb Situation.

Much vexatious delay was experienced by the bulb dealers and seedsmen due to the absence of bills of lading and consular invoices for the cargo of bulbs per Holland-America S. S. Waaldyk, which had been on the dock already more than a week. The report that no mail had come on the Waaldyk complicated the case further. Bulbs are now being delivered, however, and so far as we have learned they are in good condition which is naturally a great relief to the importers. Should the Schiedyk, now on the way bring her full capacity of bulbs the aggregate by the two boats will about equal the entire importation of last year which was of normal proportions.

Wholesale Seedsmen's League.

The executive committee of the Wholesale Seedsmen's League met in New York at the Hardware Club, on Wednesday, September 26. There were forenoon and afternoon sessions, with lunch between, and the main business transacted was the consideration of and tentative establishment of market values on seeds. There were present F. W. Bruggerhof of J. M. Thorburn & Co., Burnet Landreth, Lem W. Bowen of D. M. Ferry & Co., H. W. Wood of T. W. Wood & Sons, Howard M. Earl of W. Atlee Burpee,

MIGNONETTE

Sow Now For Fall Crop



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15 c m and up (900 per case) 16.00 per 1000

White Roman Hyacinth

12 c m and up (1700-1800 per case) \$36.00 per 1000
13 c m and up (1700 per case) 40.00 per 1000
15 c m and up (1400-1450 per case) 42.50 per 1000

Just arrived, in perfect condition.
Cash with order for less than 5 cases, or from those who have not established credit with us.

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CARTERS TESTED SEEDS, Inc. 166 Chamber of
Commerce Bldg., Boston, Mass.

L. M. Hunt of Jerome B. Rice Seed Co., Charles H. Breck, J. C. Vaughan, and S. F. Leonard, and among the guests were David Burpee, E. E. Bruggerhof and the sons of several of the members present. Prices will be much higher this season and many embarrassing shortages are indicated.

The seed growing business operated under the corporate name of F. G.

Johnson & Co., at Harrisville, Mich., has been dissolved, Mr. Johnson, the president, having retired. The property and franchises have been purchased by C. B. Pyle, manager and stockholder since the organization of the company ten years ago, who will continue the business under the trade name of C. B. Pyle. There will be no change in the policy or personnel of the business.

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Cold Storage Lilies*Write us for price***AMERICAN BULB CO.**

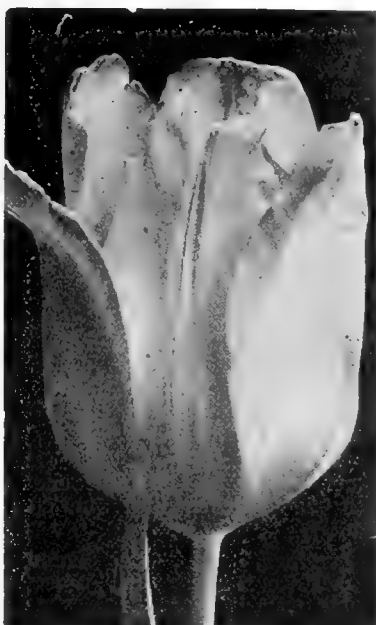
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\$8.00 per ounce.When we say we can please you, we mean
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have the money. Dutch stock requires
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Massillon, O. Brown Floral Co., 10 Park row, succeeding Louis Heitger.

NEWS NOTES.

Dayton, O.—C. W. Hoffman has sold his florist business to T. Pearson.

Ann Arbor, Mich.—The Ann Arbor Greenhouse Company has increased its capital stock to \$65,000.

Janesville, Wis. L. B. Winslow's greenhouse range on Milwaukee Ave. has been purchased by Charles Rathjen.

Hartford, Conn.—The Connecticut Horticultural Society held a very creditable exhibition of fruit, vegetables and flowers on Friday evening, September 28.

Paterson, N. J.—Mrs. Letitia Stoutenborough, widow of Russell Stoutenborough, who for many years conducted a floral business on Market street, will continue the business owned by her late husband.

Dansville, N. Y.—The sanatorium greenhouses, which have been run a number of years in connection with the Jackson Health Resort under the management of M. M. Michael, has been sold to Charles H. Netsch of Buffalo.


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Providence, R. I.—Johnston Bros., 38
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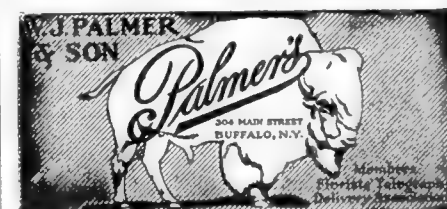
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" " No. 1 and culls	3.00	to 6.00	3.00	to 15.00	10.00	to 15.00
Russell, Euler, Mock	1.00	to 8.00	2.00	to 15.00	4.00	to 20.00
Hadley	.50	to 8.00	5.00	to 10.00	3.00	to 10.00
Arenberg, Hoosier Beauty	.50	to 6.00	1.00	to 5.00	3.00	to 8.00
Ward	.50	to 6.00	1.00	to 4.00	2.00	to 6.00
Killarney, Radiance, Taft	.50	to 6.00	1.00	to 4.00	3.00	to 6.00
Ophelia, Sunburst, Hingham	1.00	to 8.00	2.00	to 6.00	3.00	to 8.00
Carnations						
Cattleya	2.00	to 4.00	.75	to 2.00	2.00	to 3.00
Dendrobium formosum	50.00	to 75.00	...	to 75.00	50.00	to 75.00
Lilies, Longiflorum	10.00	to 12.00	6.00	to 8.00	...	to 10.00
Lilies, Speciosum	2.00	to 4.00	...	to ...	...	to 4.00
Lily of the Valley	8.00	to 12.00	...	to 6.00	...	to 10.00
Snapeadragon	1.00	to 3.00	...	to 3.00	...	to 3.00
Gladioli	1.00	to 4.00	2.00	to 3.00	...	to 3.00
Asters	.50	to 1.50	...	to 2.00	...	to 1.00
Chrysanthemums	12.00	to 20.00	12.00	to 20.00	15.00	to 25.00
Sweet Peas	...	to 1.00	...	to .75	...	to 1.50
Marguerites	.50	to 1.00	...	to 1.00	...	to 1.00
Gardenias	20.00	to 25.00	...	to 25.00	...	to 35.00
Adiantum	.25	to 1.00	...	to 1.00	...	to 1.00
Smilax	8.00	to 12.00	12.50	to 15.00	...	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	15.00	to 25.00	25.00	to 35.00	...	to 50.00

WILLIAM F. KASTING Co.

Wholesale Florists

568-570 WASHINGTON STREET - BUFFALO, N. Y.

J.A.BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

Flower Market Reports

BOSTON There is a dearth of flowers in this market at the present time. It is a long time since the daily receipts dwindled down to so low a record. This does not, however, apply to the rose shipments, which are normal and quite sufficient for all calls, although market values have advanced somewhat in sympathy with the strong prices prevailing for other things such as carnations, lilies, dahlias and gladioli all of which are running at a high figure. Demand amounts to but little, however, and is in no way responsible for the improved prices. Asters are mostly run out, very few of respectable quality being in evidence. A few *Cattleya labiata* and some *oncidiums* are coming in now.

The amount of business being done right now is limited only by the quantity of available stock. The supply is wholly inadequate and houses having a large shipping trade are having their troubles filling orders. One firm reports turning down thirty telegraph orders in one day and the florist who is not classed as a "regular" with some firm has hard work to get his stock. The shortage is in all lines of greenhouse flowers and the supply of gladioli which continues to come is gratefully received. Chrysanthemums, so often difficult to sell while cheaper flowers are plentiful, are selling readily, the yellow ones being most in evidence. Carnations are short in stem and short in supply and roses are set aside for the steady buyer as soon as in.

Business fairly good, **CINCINNATI** supply large and more than sufficient for needs. Roses weak with a fair market. Carnations, for early blooms, are excellent and meet with a fairly active demand. Dahlias are very plentiful but sell well. Lilies are in good supply.

The market shows a bit more life this week. Dahlias and chrysanthemums of top quality are bringing good prices. Carnations have taken a jump, white varieties and Mrs. Ward bringing the best figures quoted. Roses are generally of splendid quality for so early a date. Hadley is beginning to show its old form once more. Gov. Herrick and Rhinebeck double violets are already to be seen in several of the wholesale houses. Lilies are still overdone and prices are very low. *Cattleya labiata* has started in and prices are on the down grade. The list of flowers in market this week, outside of the standard stock is a long one including celosia, tritoma, larkspur, zinnia, mignonette, eupatorium white and blue, rose geranium, calendula, cosmos, pansy, tuberose, buddleia, lupin, gypsophila, marigold, bouvardia, cypripedium, candytuft, sweet alyssum, midget roses, helenium, hydrangea and rudbeckia.

There has been very little change in the market since our last report. **PHILADELPHIA** Cattleyas are a little more plentiful and the limited list of chrysanthemums is augmented by Smith's Advance and one or two others. Dahlias are at their best and



CHRYSANTHEMUMS

The early varieties are arriving, very good quality they are, mostly yellows and whites.

\$2.00, \$3.00 per doz.

TRITOMAS, \$5.00 per 100

HYDRANGEA HEADS
75c per doz., \$4.00 per 100

Headquarters for Greens

Write for our Specials in Greens

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The Wholesale Florists of Philadelphia

NEW YORK
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PHILADELPHIA
1608-1620 Ludlow St.
WASHINGTON, 1216 H. St., N. W.

BALTIMORE
Franklin & St. Paul Sts.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Oct. 1		CHICAGO Oct. 1		BUFFALO Oct. 1		PITTSBURGH Oct. 1	
Roses								
Am. Beauty, Special.....	25.00	to 35.00	30.00	to 40.00	25.00	to 30.00	.....	to 25.00
" Fancy and Extra.....	15.00	to 20.00	20.00	to 30.00	20.00	to 25.00	15.00	to 20.00
" No. 1 and culls.....	6.00	to 10.00	4.00	to 10.00	3.00	to 5.00	4.00	to 10.00
Russell, Euler, Mock.....	3.00	to 10.00	4.00	to 20.00	3.00	to 12.00	4.00	to 8.00
Hadley.....	.....	.....	.....	.....	5.00	to 10.00	.....	to 8.00
Arenberg, Hoosier Beauty.....	3.00	to 8.00	3.00	to 10.00	5.00	to 10.00	.....	to 8.00
Ward.....	3.00	to 5.00	4.00	to 10.00	3.00	to 5.00	3.00	to 8.00
Killarney, Radiance, Taft.....	3.00	to 6.00	3.00	to 10.00	2.00	to 8.00	3.00	to 8.00
Ophelia, Sunburst, Hillingdon.....	3.00	to 8.00	3.00	to 10.00	3.00	to 8.00	3.00	to 8.00
Carnations	.....	to 2.00	1.00	to 3.00	1.00	to 3.00	1.00	to 3.00
Cattleyas	.....	to 75.00	75.00	to 100.00	50.00	to 60.00	75.00	to 100.00
Dendrobium formosum	.....	.....	.....	.....	.....	.....	.....	to 50.00
Lilies, Longiflorum	10.00	to 12.50	8.00	to 12.00	8.00	to 10.00	10.00	to 12.00
Lilies, Speciosum	.....	.....	.....	.....	3.00	to 6.00	.....	to 8.00
Lily of the Valley	.....	to 7.00	5.00	to 6.00	7.00	to 8.00	.....	to 8.00
Snagdragon	3.00	to 4.00	2.00	to 3.00	1.00	to 3.00	2.00	to 4.00
Gladioli	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00	2.00	to 4.00
Asters	1.00	to 3.00	1.00	to 3.00	.50	to 3.00	.50	to 2.00
Chrysanthemums	15.00	to 25.00	15.00	to 25.00	10.00	to 20.00	12.00	to 25.00
Sweet Peas	.....	.....	.....	.....	.....	.....	.....	to 75.00
Marguerites	.....	to 1.00	.....	.....	.....	.....	.....	to 1.00
Gardenias	.....	.....	.....	.....	.....	.....	.....	to 1.00
Adiantum	.....	to 1.00	.....	to 1.00	1.00	to 1.25	1.25	to 1.50
Smilax	.....	to 15.00	15.00	to 20.00	15.00	to 20.00	.....	to 15.00
Asparagus Plu. & Spreng. (100 Bbs.)	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	40.00	to 60.00

meet with ready sale. Asters are on the wane. Carnation supply still limited. Beauty, Russell, Scott Key, and Prima Donna lead among the dark roses, with White Killarney, Ophelia, and Sunburst favorites in the lighter shades. Autumn foliage, tritomas, hydrangea heads and eulalia plumes are in brisk demand for fall decorations. Eupatorium is a strong feature among the minor items on the market. Sequoia, a lovely well-formed bronzy yellow cactus is proving one of the best sellers in this season's dahlia shipments. The difference in returns between varieties like this and those in the show class like A. D. Livoni is about as five to one when the grower

gets his returns from the retailer or the commission men. In red the variety named Vivid seems to meet with much favor also. It has very large flowers of fine form and the color is very striking and accords with the name "Vivid."

During two days, **PITTSBURGH** last week there was a general shortage but there is at present a nicely adjusted balance of business and supply. The former really is very satisfactory. Prices all round are reasonable with no fancy returns on anything. Very good local chrysanthemums in all the early varieties are coming in and

(Continued on page 387)

H. BAYERSDORFER & CO. Manufacturers and Importers

1129 Arch St. PHILADELPHIA, PA.

Fall Novelties Now On Display

New Show Rooms Added

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

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Choice Cut Flowers
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Telephones: 2266, 2261, Madison Square.

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Call and inspect the Best Establishment
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CONSIGNMENTS SOLICITED

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53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

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Ferns, Mosses, Wild Smilax, Galax,
Lanceolae, Palmetto, Cycas, both fresh
cut and prepared.

Laurel, Hemlock, all Decorative Evergreens.

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WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

8 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N. Y.

RIEDEL & MEYER, Inc.

Wholesale Commission

READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

P. J. SMITH

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.

TELEPHONE 2281 FARRAGUT 131 West 28th St., NEW YORK CITY
2089

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

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Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the

BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.

PAUL MECONI—Wholesale Florist—NEW YORK

Telephone Nos. 3864 and 8364 Madison Square

57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers

We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER MORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists

Phones: Farragut 558, 2036 and 2087

111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Sept. 29 1917		First Half of Week beginning Oct. 1 1917	
American Beauty, Special	12.00	to 25.00	15.00	to 30.00
" " Fancy and Extra	8.00	to 12.00	8.00	to 12.00
" " No. 1 and culls.	.50	to 4.00	.50	to 4.00
Russell, Euler, Mock	1.00	to 8.00	1.00	to 8.00
Hadley	.50	to 8.00	.50	to 8.00
Arenberg, Hoosier Beauty	.50	to 4.00	.50	to 4.00
Ward	.25	to 4.00	.50	to 4.00
Killarney, Radiance, Taft	.25	to 4.00	.50	to 4.00
Ophelia, Sunburst, Hillingdon	1.00	to 8.00	1.00	to 8.00
Key	1.00	to 12.00	1.00	to 12.00
Carnations	1.00	to 3.00	1.00	to 4.00

GROWERS' CUT FLOWER COMPANY

WHOLESALE FLORISTS

129 West 28th Street

Tel. 6237 Farragut
3563

E. J. VAN REYPER, Mgr.

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Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

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TRAENDLY & SCHENCK

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

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Consignments Solicited

JOSEPH S. FENRICH

WHOLESALE FLORIST

LILIES EVERY DAY

51 W. 28th Street, New York

Telephones, 420-421-422 Mad. Sq.

HERMAN WEISS

WHOLESALE FLORIST

Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

130 West 28th Street, Tel. Farragut 634,

NEW YORK.

Flower Market Reports

(Continued from page 385)

there are still plenty of good gladioli. Green products of all kinds are also abundant, as well as a goodly supply of lilies. Asters are about done, those coming in showing the disastrous effects of the autumnal combination of fog and smoke. There is little to select from in the carnation line. The seedsmen report satisfactory business conditions with all kinds of bulb orders coming in.

Trade has not

ROCHESTER, N. Y. been very brisk. The

market is well supplied with quantities of good roses such as Ophelia, Sunburst, Scott Key, Killarney, Maryland, etc. Lilies are very plentiful and of good quality. Golden Glow and Smith's Advance chrysanthemum are very good and bring good prices. Asters still arrive, but the demand is not so heavy as last week. Gladioli are still in. Carnations of the new crop are small and short stemmed. House plants are moving fast.

EXPRESS SHIPMENTS SUBJECT TO DELAY.

The following notice has been sent out under date of October 1st by the S. S. Pennock Co.:

EXPRESS SERVICE: SPECIAL NOTICE.

The United States Government having the right of way has exercised this right for its traffic movement over freight and express lines to such an extent that the express companies are facing such a congestion of shipments that they have been compelled to announce that on and after Oct. 1st, 1917, all flowers, plants and other perishable merchandise are accepted under the strict proviso

"SUBJECT TO DELAY."

Our customers will readily understand from this that they cannot expect as prompt service as usual and should allow for contingencies by ordering as far ahead as possible. And they understand, of course, our invariable rule as published in our general catalogue, to wit:

"We pack carefully and deliver in good order to the express companies, taking their receipt therefor, after which our responsibility ceases. All claims for delays or damages in transit are distinctly between consignee and transportation company."

We regret this condition of affairs, and trust they may soon improve so that the flower business may not be seriously damaged. Everything in the way of careful conscientious service from us, all may depend on as heretofore; but the situation should be well understood, and the impossible not expected. A spirit of mutual co-operation and consideration is the urgent call of the hour.

FLOWER GROWERS

I have a good wholesale market for Pansies, Violets, Carnations and all other stock of quality.

Regular Shipments Solicited

B. F. SLINN, Jr.

55 and 57 W. 26th Street, NEW YORK



BOXWOOD SPRAYS

The Classic Decorative Material for all occasions.

We will have ready for shipment November 1st and will receive daily consignments of both Dwarf and Tree variety of Fancy Sprays of Virginia Boxwood. Obtain our free sample before you buy. Let us quote you on your requirements.

PITTSBURGH CUT FLOWER COMPANY

116-118 Seventh Street, PITTSBURGH, PA.

PATRICK WELCH, WHOLESALE FLORIST

262 DEVONSHIRE STREET, BOSTON, MASS.

American Beauties, Orchids, Valley, Carnations. All the novelties in the Cut Flower Market furnished on short notice. Prices quoted on application. No retail orders accepted. Flowers shipped out of Boston on early trains.

STORE OPEN FOR BUSINESS AT 6 A. M. TELEPHONE MAIN 2688.

J. K. ALLEN

SERVING THE TRADE AS WHOLESALE COMMISSION FLORIST FOR OVER THIRTY YEARS.

I have room now for a few more regular shippers of good flowers. I have a steady market for all varieties. Make a start now for the coming season.

118 West 28th St.

NEW YORK

TELEPHONES
Farragut 167 and 3058

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Sept. 28 1917		First Half of Week beginning Oct. 1 1917	
Cattleyas.....	35.00	to 75.00	25.00	to 60.00
Dendrobium formosum.....	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum.....	3.00	to 5.00	3.00	to 5.00
Lilies, Speciosum.....	2.00	to 3.00	2.00	to 3.00
Lily of the Valley.....	3.00	to 8.00	3.00	to 8.00
Snape-dragon.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	.50	to 2.00	.50	to 2.00
Asters.....	.25	to 1.00	.25	to 1.00
Chrysanthemums.....	12.00	to 20.00	12.00	to 20.00
Sweet Peas.....	.15	to .50	.15	to .50
Marque-rites.....	.25	to .50	.25	to .50
Cardenias.....	20.00	to 30.00	20.00	to 30.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, & Spreng. (100 bunches).....	10.00	to 20.00	10.00	to 20.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

Address Your Shipments to

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CONVENTION VISITORS WELCOME

HENRY M. ROBINSON CO. OF NEW YORK WHOLESALE FLORISTS

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HIGH CLASS FLOWERS.

ALL THE STANDARD STOCK.

THE PRODUCT OF THE LEADING GROWERS.

NOVELTIES AND UNUSUAL VARIETIES A SPECIALTY.

Consignors of Good Stock for the New York Market Please Call or Write

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Farragut 5413 or 5891

Established 1896

Tel. 551 Farragut

GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New England Grown Novelties.

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Decorative Glassware, Growers and Florists' Requisites

PHILADELPHIA.

The Pennock Co. have changed their hours of business from summer to fall schedule: 7 a. m. to 5:30 p. m.

J. J. Habermehl, Sons have some very fine new dahlias on exhibition at their Bellevue Street store, one of the most beautiful in a dozen or more being one named Madame Butterfly.

Charles E. Meehan's new store at 5 South Mole street is now in active operation and new growers are coming in every day to take advantage of his efficient service and long experience.

Wearing the uniform of a private of the ambulance corps, Frank Rowlett was arrested at the instruction camp at Allentown on the charge of the larceny of \$450, last June, belonging to the Robert Craig Co. by whom Rowlett was employed as a motor truck chauffeur.

The autumn flower show of Lansdowne borough, near Philadelphia, will take place in the 20th Century hall, Saturday, October 6th, 4 to 9.30 p. m. It should be a very interesting display. The society has close on two hundred members and publishes an eight-page prize list, which is going some for a small burg of five thousand. Samuel S. Pennock is the president. No charge for admission. The trade cordially invited.

At the annual exhibition of dahlias, hardy perennials, vegetables and fruits at Michell's in number and excellence of exhibits expectations were greatly exceeded. Not only were the dahlias of high order, but never before have so many of the leading novelties been shown at any dahlia show held in Philadelphia. Among these were particularly noted, Attraction, Admiration, Minnie Burgle, Hortulanus Felt, John Wanamaker, A. E. Burton, No. 518, Porcupine, Madame Butterfly, Geisha. Vegetables (grown from Michell's seed) were shown in the finest possible specimens. The "Pe-Tsay" or new Chinese cabbage lettuce was a centre of attraction. Immense heads weighing 6 pounds raised from seed planted July 20th, show what can be done with them as a second crop. The many uses to which it can be put as a "high toned vegetable" is bound to make it popular with the public as well as the market gardener. Hardy perennials, gladioli, annuals, and fruits were of the highest order.

Gold and silver medals as well as several hundred dollars worth of cash prizes were awarded. The show lasted for three days.

PITTSBURGH.

Mr. and Mrs. Gustave Ludwig have returned from a southern trip.

Mr. and Mrs. DeForest W. Ludwig spent the week in Detroit, Mich., in attendance at the meeting of the Florists' Delivery Association.

Nicholas Cassaluccia, landscape florist for the P. R. R. between Pittsburgh and Scottsdale, expects to leave for a vacation trip to Denver, Colorado.

At the Sewickley show, David Fraser, James Wiseman and Ernest Guter were the judges for the professional gardeners' class. There were nine

CLASSIFIED DIRECTORY

Advertisements in this Department, Ten Cents a Line, Net

BULBS

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK BRANCH, 8-10 Bridge St.

CARNATION PLANTS

CARNATIONS—Harry Fenn and Lawson,
\$5.00 per 100. White and Pink Enchantress,
Philadelphia. Matchless, \$6.00 per 100. Cash.
CHAS. H. GREEN, Spencer, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post-paid. L. L. PILLSBURY, Galesburg, Ill.

CHRYSANTHEMUMS

Chrysanthemum Plants For Sale 5000 Bonafide and Halfday in bud, planted out in greenhouse. Will sell the lot cheap. Can be seen on premises. Write for prices. Address J. R. RAEDER, 259 Fairmount St. Hyde Park, Mass.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell.
Stock For Sale.
JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DAISIES

DAISIES—(Bellis), Montrosa, white and pink, also Longfellow and Snowball. Thinly sown field-grown, strong seedlings, \$2.50 per 1000. Cash. BRILL CELERY GARDENS, Kalamazoo, Mich.

competitors for eighteen varieties of vegetables. Full account next week.

Abraham Finegold of the Victoria Flower Shop has opened a branch in the lobby of the Grand Opera House under the management of Joseph Fineberg. Clarence Abrams, Abraham Lindenberg and Joseph Mordell are now on the staff of the Victoria shop.

The Horticultural Society of Western Penna. has called a meeting for Tuesday evening of next week to make arrangements for a chrysanthemum show which will probably be held in the auditorium of Carnegie Institute. Owing to this, the regular monthly session of the organization on the third Tuesday evening will be omitted.

Miss Florence Hood, formerly of the office force of the A. W. Smith Co., has entered the employ of Albert Briggs, succeeding Marian Gross, who has returned to school after spending his vacation in the salesroom. Mr. and Mrs. Briggs are celebrating their first anniversary, having started an independent business one year ago. The store is handsomely redecorated for the occasion and there are special prices and potted ferns distributed as souvenirs.

Friday and Saturday of last week were marked by two important suburban horticultural events, the first annual horticultural and poultry show of the Garrick Gardening Association and the fall show of the Sewickley Horticultural Society. The former was a splendid show, far surpassing any in connection with any of the

GLASS

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

GOLD FISH

Gold fish, aquarium plants, snails, caddies, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 1815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

PANSY PLANTS

PANSIES Thinly sown, strong field-grown seedlings. Strains unsurpassed by any for size of bloom or colors, \$2.50 per 1000. Cash. BRILL CELERY GARDENS, Kalamazoo, Mich.

PEONIES

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

ROSES

Roses, Canas and Shrubs. THE CONARD & JONES COMPANY, West Grove, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

VINES

Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Pleasant Nursery, New Rochelle, N. Y.

WIRE WORK

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

county fairs. Mr. Watts, who is dean of the school of Agriculture, Pennsylvania State College, made an address on garden preparedness for next year. E. B. Hulley, Director of the Pittsburgh War Gardens, made an address inaugurating the festivities.

ROCHESTER, N. Y.

Hugo Teute is remodeling his old house into a propagating house to be 10 by 125 feet, having iron gutters and new bars.

At the Lamberton Conservatory the main house is being stocked with chrysanthemums just showing color preparatory to arranging for the chrysanthemum show to be held in October.

HELP WANTED

WANTED: Experienced Gardener for private country place. Must be a working gardener, capable of raising both flowers and vegetables inside and out, and understand orchard and shrubbery work. Good home, good position. State experience, how much of family and salary expected. Address "J. O. B." care HORTICULTURE.

WANTED: Two young men who have had a few years experience in the flower seed department. Answer in own hand writing to "Flower Seed Dept.," STIMPP & WALTER CO., 30 Barclay St., New York.

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FOR SALE Greenhouse 116x34 feet. Lord & Burnham sectional boiler. Also house of 11 rooms and additional apartment of 3 rooms. Will sell separately or together. Address R., care HORTICULTURE.



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Beacon, N. Y., U. S. A.

OUR PRODUCTS SOLD BY SEED DEALERS

PINE BLIGHT.

Editor HORTICULTURE:

Dear Sir—I am enclosing a specimen of *Pinus Strobus* (white pine) infested with a blister of some kind or other which I cannot identify. Could you get it identified for me? Also the cure or prevention of it. If you can, I shall esteem it a great favor. If it is important would you answer through the medium of "Horticulture" for the benefit of the craft?

Thanking you in advance,

Yours very truly,

R. G. S.

Irrington-on-Hudson, N. Y.

The condition manifested by this specimen is usually described as pine blight, although it has no connection with the white pine blister rust, nor with any disease of so serious a nature. It is entirely a climatic condition and may be observed throughout New England and portions of New York. In some cases under our observation in this state (Massachusetts) trees have died, but in the majority of cases, the trees recover after having dropped a portion of their needles.

In explaining the condition we can only say that it is due to imperfect transpiration, brought about by dry weather following a period of heavy precipitation. Time is the only cure that we know of.

Very truly yours,

J. R. SIMMONS, Asst. Forester.
State House, Boston.

VISITORS' REGISTER.

New York—M. A. Patten, Tewkesbury, Mass.

Greenwich, Ct.—John Sullivan, representing Lord & Burnham Co.

Rochester, N. Y.—Wm. B. Lake, New York; Ross Adgate of McCallum Co., Pittsburgh, Pa.

Cincinnati—A. M. Anderson, repr. A. L. Randall Co., Louis Harlin, Chas. Kaelin Russell Carr and Herbert Buhr, all of Chicago; I. Bayersdorfer of H. Bayersdorfer & Co., Phila., Pa.

Pittsburgh—Arthur Langhans, Wheeling, W. Va.; Frank J. Farney, rep. A. L. Randall Co., Chicago; Julius Dilloff, Schloss Bros., New York; George Maunz, Reed & Keller, New York.

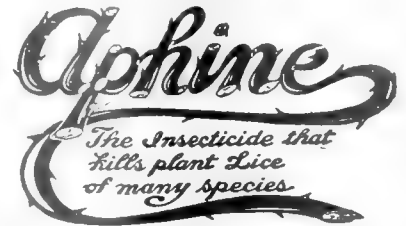
Philadelphia—Frank Rogers, Charleston, S. C.; H. O. Gardiner, of Joseph Breck & Sons, Boston, Mass.; Mr. and Mrs. S. McClements, Pittsburgh, Pa.; H. A. Bunyard, Nitrate Agencies Co., New York.

St. Louis—George Asmus, Chicago; R. C. Kerr, Houston, Texas; J. J. Hess, Omaha, Neb.; John Young, New York; Chas. H. Totty, Madison, N. J.; Patrick Welch, Boston; Thomas Roland, Nahant, Mass.; A. Farenwald, Roslyn, Pa.

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Edward Edwards, superintendent of Arthur N. Cooley's greenhouses at Pittsfield, Mass., has resigned to go to Shrewsbury as superintendent at the C. H. Hutchinson estate. He will be succeeded at the Cooley establishment by Frank Nash.



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PUBLICATIONS RECEIVED.

The Twenty-Sixth Annual Report of the Park Commission of the City of Haverhill, Mass., just received, shows that the parks and playgrounds of Haverhill are kept well up to the standard and economically and efficiently cared for under the management of Superintendent Henry Frost, who has held his position ever since the parks were first established. The volume contains a portrait of the late John E. Gale, who was a member of the Park Commission for nineteen years.

Transactions of the Iowa State Horticultural Society. This is a volume of nearly six hundred pages, containing a vast amount of useful, practical matter on every phase of fruits, vegetables, flowers, market gardening, forestry, parks, wild flowers, etc. There are twenty-five inserts of full page plates. Wesley Greene, the veteran secretary, has put an enormous amount of work into this book and the result is a treasury of horticultural wisdom. A very complete index adds greatly to its practical value.

Successful Canning and Preserving. By Ola Powell. This is one more in the 'Home Manuals' series published by Lippincott and it comes at a most opportune time. There are 372 pages, 4 colored plates, and 164 illustrations, some of which are full-page size. The author acknowledges in her preface in detail the assistance of many of the leading specialists in this important department of home economics. Its practical value and reliability is further guaranteed in the announcement that it has been edited by Dr. Benjamin R. Andrews of Columbia University. The contents comprise the history of the development of scientific canning, bacteriology as applied to canning, preparation and equipment, canning in tin, canning in glass, processing, hotwater bath, processing at high temperature, fruit juices, fruits for canning, vegetables for canning, preserves, marmalades, jams and conserves, jelly making, pickling, dried fruits, vegetables and herbs, preservation of meats, use of fruits and vegetables in the diet, canning club organization, the business side of canning, teaching canning and relative

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activities, and an appendix giving address lists, etc., that will be found convenient, and a look through the pages of this timely manual will make any man's mouth water. For the housewife who may possess a copy it will be an inspiration and a fascinating companion. We predict for it an enormous sale. The price is only \$2.00 net. Order from HORTICULTURE, adding ten cents for postage.

The Maryland Agricultural Experiment Station, College Park, Md., has issued a Bulletin (No. 208), by Philip Garman, describing a bad pest of Geraniums—*Tarsonemus Pallidus* Banks. The mite which bears this formidable cognomen was first noticed in America in 1898, on chrysanthemums and it is since reported as infesting not only geraniums but cyclamen and snapdragon. The bulletin just published gives the life history of the mite, describes the nature of the injury it causes and recommends methods of control. Illustrations are given and anyone growing any of the aforementioned plants would do well to send for a copy of the Bulletin.

Two new books for boys have been added by the Page Company, Boston, to their popular "Little Cousins of Long Ago Series," making number nine and number ten of the series. "Our Little Frankish Cousins of Long Ago," by Evaleen Stein, and "Our Little Roumanian Cousin," by Clara Vostrovsky Winlow, are worthy additions to the list and the last named is obviously of special timely interest. Historical facts are interwoven in a very fascinating manner with adventure, pathos and romance so that useful knowledge as well as entertainment is assured for the reader. The volumes are in special reinforced library binding, handsomely illustrated and are published at the uniform price of 60 cents each.

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Port Chester, N. Y.—John Smith, 132 North Main street, one house.

Indiana Harbor, Ind.—Joseph R. Blenz, 3613 Hemlock street, three houses.

Bloomington, Ill.—The Weise Greenhouses and farm on South Linden street have been sold to J. D. Anderson.

THE EASTERN STATES EXPOSI-
TION.

The fact that the big Eastern States Exposition at Springfield, Mass., has recognized the importance of the florists' trade and has allotted a section of the already over-crowded Horticultural Building to trade exhibits, should be sufficient stimulus to the flower and allied trades to make a grand showing at the inception of this feature. The future of such a flower show depends upon its success this season.

The Society of American Florists has taken an important step in the right direction in their initiation of a nation-wide advertising campaign. This new step by the Exposition management is also one in the right direction. It means that flowers will be brought before the public as never before and is a tremendous boost to the floral industry. The show last year registered 297,000 visitors. Many more are expected this year. It begins October 12 and closes October 20th. All communications, applications for space, etc., should be addressed to C. E. Wildon, 244 Main St., Room 209, Springfield, Mass.

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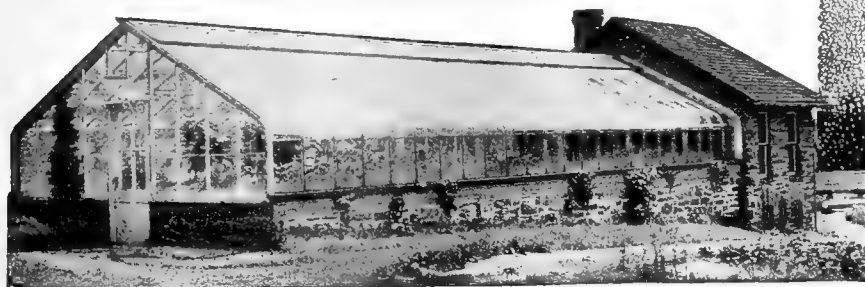
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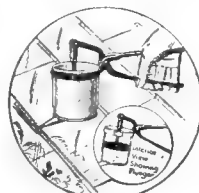
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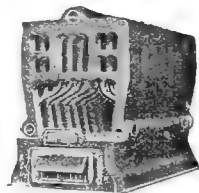
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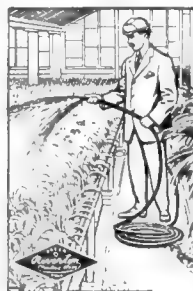
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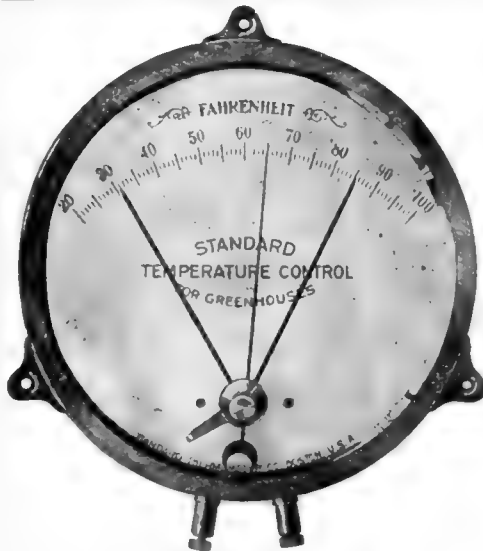
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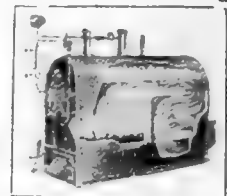
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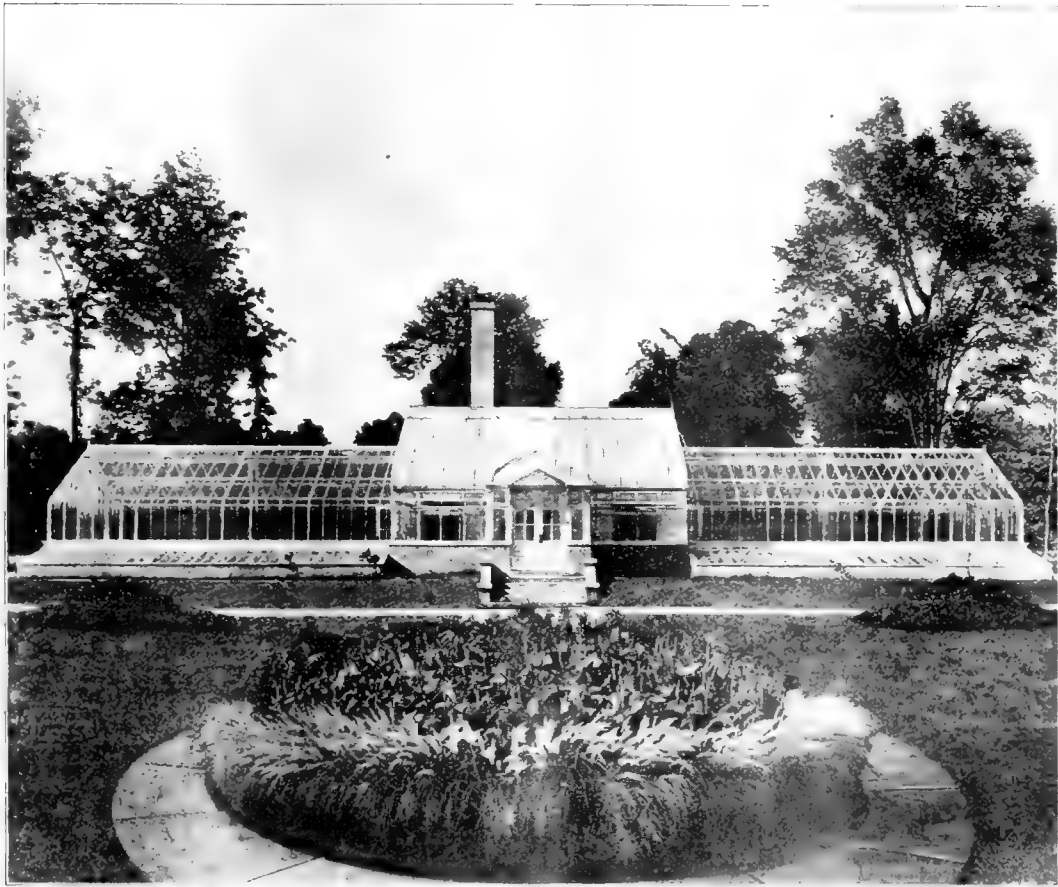
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No. 15
OCT. 13
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THE S. A. F. PUBLICITY CAMPAIGN

From time immemorial advertising or publicity has been the greatest medium by which to develop and promulgate any industry or article. Take the greatest of all books, and the most prominent in all the world. And what made it so but publicity? I believe, and I hope we all do, that the Bible was inspired by God. Yet we must confess that were it not for the wonderful publicity given this greatest book and its teachings, it would not be so universally distributed. So it is, and always has been, with every commodity in human life.

Now then is our product, which cheers the room where the new born child is ushered into a happy home, and on through the many birthdays in that home, and is not this product which is used at the marriage altar to cheer and decorate the bridal chamber, and on even unto bringing comfort to the sorrowing over a loved ones departure, a worthy product?

Getting right down to a strictly commercial proposition, what per cent. of our income have we been devoting to advertising? Is it not wonderful after all, that our business has existed so long, let alone prospered as it has, without any definite advertising? I truly believe no other manufacturing business on earth could have stood so long without spending more than we have for advertising. And this sums the whole matter up to the fact, that the product of our business is so worthy that there is a great demand for it without any publicity. Now, if this is true, and I believe it is, just think of the wonderful possibilities in store for us with the proper publicity.

No greater opportunity was ever given the growers of flowers, than is presented in the S. A. F. & O. H. publicity campaign to properly get their goods before the American public. I hope that every grower of flowers

in the United States will be a partner in this great movement, and no one, in my opinion, should subscribe less than one dollar per 1,000 sq. ft. of glass under cultivation. This should be the absolute minimum. Many have already subscribed two dollars and over per 1,000 ft. of glass.

Now let us get back of this with a vim! I am appealing to the growers only, for I am one of them. The wholesalers and retailers have their part to do. The affiliated trade organizations and all florists' clubs should do their part, but I leave the appeal to them to come from those who will more ably follow up this article.

Let us do it NOW!

J. F. AMMANN.

Edwardsville, Ill.

The line that has divided the florists of America from narrow-minded, self-centered, self-satisfied beings and broad-minded, American business men has been crossed. It has taken years for the germ to get a hold but it has at last made itself apparent in the start made at the New York Convention, and I hope the work so ably started will go on.

It is well that subscriptions are being made for a period of years. Publicity as we call it, is after all, just plain advertising and advertising has a cumulative value. The longer the slogan is before the public the more it is worth. With advertising discontinued business travels on its own momentum, losing which, it stands still and then goes backward.

Back publicity with clean, honest methods and good values and nothing can stop the industry. We are all fighting a new fight to get back what modern business is costing us. We need each other and I am happy to be fighting the good fight shoulder to shoulder with the trade for its uplift-

ing to the level, at least, of the chewing gum industry of which there is but one variety, hoping that some day with our endless variety of stock in trade we may reach the level of the fifty-seven varieties of pickles.

WALLACE R. PIERSON.

Cromwell, Conn.

The Publicity Finance Committee reports the following contributions to be paid annually for a period of four years:

Philip Breitmeyer, Detroit, Mich. (for one year).....	\$500.00
L. Turner & Sons, Kenosha, Wis.....	10.00
Fred G. Heintz, Terre Haute, Ind.....	10.00
L. C. Fields, Kansas City, Kans.....	12.50
The Inlay Co., Zanesville, Ohio.....	10.00
John Cook, Baltimore, Md.....	10.00
Geo. E. Buxton, Nashua, N. H.....	10.00
C. M. Hamilton, Kewanee, Ill.....	15.00
Espelin-Warren Floral Co., Fort Collins, Colo.....	5.00
Schloiz the Florist, Inc., Charlotte, N. C.....	25.00
L. C. Stroh & Sons, Batavia, N. Y.....	20.00
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Haentze Floral Co., Fon Du Lac, Wis.....	5.00
The Friedley Co., East Cleveland, O.....	10.00
J. M. Fox & Son, Inc., Milwaukee, Wis.....	25.00
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Lang Floral & Nursery Co., Dallas, Texas.....	25.00
C. H. Green, Fremont, Neb.....	10.00
John Lawrence, Ogdensburg, N. Y.....	10.00
Groschens & Morrison, Roslyn, Pa.....	50.00

Total\$1,302.50

JOHN YOUNG, Secy.

October 9th, 1917.

FIFTH NATIONAL FLOWER SHOW, ST. LOUIS.

Meeting of the Committee.

Upon arrival in St. Louis after a six hour delay, owing to a railroad wreck, the members of the National Flower Show Committee were entertained at luncheon, at the Hotel Jefferson, by the officials of the city, including the Secretary of the Chamber of Commerce, Secretary of the Convention Bureau, Secretary of the Bureau of Public Safety, the Park Commissioner, representatives of the Daily Press, and others prominent in the different business interests.

The Committee held meetings on Sept. 29th, 30th and Oct. 1st.

Many of the representatives of the florists' interests in St. Louis attended these meetings. Philip Foley of Chicago was present in advisory capacity in regard to the auxiliary buildings which are to be erected.

Arrangements are now practically completed for the coming Fifth National Flower Show, and it may confidently be expected that it will be a success in every way. Pres. Bourdet

of the St. Louis Florists' Club brought up the question of retail florists' exhibits, and it was decided to make a special rate to retail florists of 50c. per square foot, which is one half the charge made to other exhibitors in the trade section. It was also decided to adopt, for the poster, and cover of the official program, the sketch which had been used for the last New York Show.

Secretary Young was authorized to proceed with the sale of space, and the work in connection with the advertising in the official souvenir program, on the same basis as at the last National Flower Show.

Upon the recommendation of the Local Publicity Committee Miss Anita Moore was appointed Publicity Manager for the exhibition. Several meetings with the lady officials of the St. Louis Chapter of the American Red Cross organization were held, but definite arrangements with them as to any co-operation with the exhibition were not at the time possible.

L. Jules Bourdet was appointed vice-chairman to preside at the meetings of the local Executive Committee

during the absence of Chairman Geo. Asmus, and J. J. Beneke, secretary, and it was also recommended that the local Executive Committee hold meetings every two weeks from this date.

A resolution was unanimously passed thanking Frederic R. Newbold for the assistance he was giving the committee, and for the great interest he was taking in advancing the popularity of flowers in this country. The Secretary was instructed to write Secretary White, of the American Rose Society, suggesting that he notify all rose growers as to the proper time to "pinch," so that their exhibition blooms would be on time for the Show.

Several conferences were held with the representatives of the Automobile Association of St. Louis, in regard to their co-operation in sub-letting the auxiliary buildings prior to our dates.

Before the meeting in St. Louis, the committee held a full-day session in Cleveland, looking over the exposition building there, with a view to the possibility of securing the same for use in St. Louis.

JOHN YOUNG, Secy.

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by the great European upheaval, of many long-enjoyed avenues for recreation and obliged to seek relaxation and beneficial diversion at home, have turned their attention to rural pursuits and are just beginning to realize the satisfying pleasure to be derived from an intimate practical knowledge of plants, trees and flowers and the intelligent study of gardening art, something which has been long understood, practiced and keenly enjoyed abroad, where ladies of even the highest social rank regard it as an honor and delight to be associated with and identified with the universal fraternity of patrons of horticulture. The Garden Clubs and kindred organizations are developing and training a numerous membership to become apostles of taste and refinement, the intrinsic value of whose influence and example to the horticultural profession and commercial floriculture can hardly be overestimated. As the people at large develop a love for sylvan and floral environment the stability and strength of commercial horticulture will increase, a better and better class will be drawn into its ranks and the elevation of our industry, so long hoped for, will have become a present reality. We repeat our opening lines that herein lies one of the most promising and happy auguries for the future of horticulture in America.

The fertilizer question

The fertilizer question is one of paramount importance to the growers at all times, especially now. Unfortunately this vital essential in the growing of flowers and plants is only partially understood by the florist, whose aim is to grow only first-class stock, whether for sale or for exhibition. Many a bench of roses or other flowers is today suffering from too little or too much manure in one form or other. Does the grower of today figure on the amount of fertilizer per cubic or square yard on the basis of the analysis of the material he is using, or even look to see what the analysis is? Does he know the analysis of the cow, sheep or horse manure that he is mixing with his soil or using as top dressing? Maybe he is utilizing a mixed chemical fertilizer, but in any event the analysis is the card to go by, or "equivocation will undo you." All soils contain certain amounts of nitrogen in the form of ammonia, phosphoric acid and potash. These elements are the basis of all fertilizers; the balance is so-called inert matter and insoluble. To learn how much of the essential elements one's soil contains, we must go to a certified analyst who may charge as much as \$5.00 per element, but this will be found a matter of economy in the long run. Lime is an important constituent of soils, necessary at all times not only to "sweeten" but to release the nitrogen and other elements that are dormant, without which no plant life can exist. After these have been released and are exhausted is the time to apply animal or chemical fertilizers in some form. The fertilizer question is one of worry and importance today with the cultivator. No potash is coming from Europe and the available supplies from kelp in this country are negligible. The automobile has reduced the supply of horse manure and the farmer is using all the other animal manure, which is hardly sufficient for his needs, and therefore we must fall back on the fertilizer man for his bone, tankage and other forms of ammonia and it is well for us to study this question carefully while we may. The percentage of these elements—nitrogen, phosphoric acid and potash—contained in a fertilizer, is or should be the basis of price charged. Look into it before you buy.

Apostles of horticulture

One of the most promising and happy auguries for the future of horticulture in America is the widespread interest now being taken in plant life and practical gardening by those who have been accustomed to regard these subjects as mere industries for the attention chiefly of the professional cultivator and workman. There are many unmistakable signs that the horticultural spirit has been thoroughly aroused all over this broad land. The well-to-do class, especially, deprived

FLORISTS' TELEGRAPH DELIVERY ASSOCIATION

The annual meeting of this hustling organization, held at Detroit, Mich., on Tuesday and Wednesday of last week was a record breaker in attendance and interest. The opening session in the Board of Commerce Building on Tuesday morning, October 2, was called to order by President E. A. Feters, of the Detroit Florists' Club, who voiced a welcome on behalf of the local florists and was followed later on by Mayor Marks, who extended greetings for the City of Detroit. President Gude then delivered his address.

Abstract of the President's Address.

It is gratifying to state that in the past year our association has made splendid strides. However, being naturally of a progressive disposition, the progress made has not been as rapid as we might hope for. This, however, is not due to any lack of enthusiasm or deficiency in the secretary's office or on the part of the other officers and directors, but rather to an apparent feeling among our members of "let the other fellow do it" but I entertain no doubt that with more of such meetings as this and the one we had a year ago we can and will engender the feeling in every individual member that by serving the association generally the individual will benefit himself. On account of the strenuous war times we are contending with today, as the months go on we must expect to have still harder problems confronting us; so for these reasons it would seem there is more need than ever for real earnest heart to heart talks and active co-operation. With all the knotty problems that we have confronting us today incident to the war conditions we must use them as an incentive to spur us on to greater work for the F. T. D., and with a strong pull, a long pull and a pull altogether, the results will be nothing short of marvellous.

Publicity.

At our annual meeting held in New York on August 21st last the day previous to the meeting of the S. A. F. convention, much good was accomplished in a get-together way and many thoughts and ideas were brought out that should produce some substantial results at this meeting. To my mind, a publicity campaign should be entered into wholeheartedly, speaking from a national standpoint by amalgamation and closer co-operation in the expenditures of money for general advertising. At present, we find some firms who are contributing to five or six general advertising campaigns. I believe this money could be better spent if it all went through one channel. In these days of high cost of everything connected with our business, economy being the watchword, we should have before us a maximum of results and a minimum of expenditures, and as the retail florist is the final barometer of all, wholesaler, grower, greenhouse builder, and in short, every man that produces anything for the florist busi-

ness, not excepting the trade papers and advertising experts, it would seem that all interests should co-operate by centering on the retail florists for the maximum publicity, because when there is no outlet for the stock produced by the grower, it will immediately affect all other lines of the allied industry, who, in any way, may be catering to the public through the retail florists' establishments. So, the one big problem is letting the public know in the most effective and forceful manner possible that we have flowers and art to sell. If we do this, the growth of our business will be little short of marvellous.

The wonderful possibilities and opportunities that are passing by our doors daily would be seized by some other live trade concerns and used for an advertising lever if they had but the opportunity. I refer particularly to special show days, F. T. D. Days, Thanksgiving Day, McKinley's Birthday, Washington's Birthday, Lincoln's Birthday, St. Valentine's Day, Palm Sunday, Mother's Day, Father's Day, Memorial Day, etc. So, we might go on and have one or two special days a month; publicity would bring these about. Surely, the liberal use of flowers at present at such holidays as Christmas, Easter and Decoration Day, was not brought about by the florists, but is due to the public demand for flowers. Now, why not let the retail florist take the initiative, for what greater incentive would we need than the small efforts put forth in exploiting Mother's Day and the wonderful results we have already attained. While speaking of publicity, let me say that there is no better publicity than satisfied customers.

An Emblem.

Let us at this session, thoroughly discuss every phase of our profession and go home feeling that we have done something for the benefit of mankind, as well as for our business commercially, and then adopt a sign or emblem for every F. T. D. member to place in his window, on his boxes, on his letters, labels and packages. What a wonderful effect this would have on the public. We know what an F. T. D. florist means but there are at least 99,000,000 people who do not. Why not assist in educating them in every way possible, letting them know that the sending of flowers is now an easy matter and that there is a florist in every town or city that can be trusted to execute their orders. Such an emblem or motto as we might adopt should be copyrighted so that a penalty under the law might be imposed upon anyone not entitled to use this sign. Along this line, I cannot too strongly urge a strict adherence to our By-laws in the matter of collection and paying obligations. Our membership has increased largely in the past twelve months but if we had four times as many members we could do far more effective and better work. I ask you

all to cooperate in securing more members.

Express Service.

The shipping of flowers by express at the present and for months to come is no doubt the most serious matter to confront us at this time, and, therefore, the prompt execution of orders by telegraph or telephone is all the more important because under certain conditions as they now exist, it is not wise to ship flowers by express, no matter how short the distance. In justice to the express companies and the Interstate Commerce Commission, I want to say this is no criticism or reflection on their willingness to serve us. It is simply a condition beyond human control at this time. Another reason why you should boost the F. T. D.

W. L. Rock, treasurer, and Albert Pochelon, secretary, presented their respective reports, both very optimistic in tone and received with demonstrations of approval. H. P. Knoble made a comprehensive detailed report for the committee on modern business methods, which brought out an interesting discussion. Practical addresses were made also by Philip Breitmeyer, George Asmus and others and cordial messages from many members remotely located were read.

Officers were elected on Wednesday as follows: President, Wm. F. Gude, Washington; vice-president, Philip Breitmeyer, Detroit; directors, H. G. Dilleuth, Toronto, Ont., H. P. Knoble, Cleveland, O., Ed. Seery, Paterson, N. J., W. J. Smyth, Chicago. Albert Pochelon and W. L. Rock were appointed secretary and treasurer respectively. Cleveland was selected as the next meeting place.

Many spirited and progressive addresses were made by enthusiastic members during the sessions. A paper on Publicity by Henry Penn of Boston and one on The Spirit of Salesmanship by B. C. O'Mara of Detroit were especially impressive. Subscriptions to the amount of \$2,585 were added to the S. A. F. publicity fund, also the sum of \$2,500 from the treasury of the Association. The prize for window decoration was won by John Breitmeyer's Sons, J. H. Dunlop, Toronto, showed the new seedling roses, Mrs. Henry Winnett, No. 6 and No. 7. Columbia and Double Ophelia were shown by E. G. Hill Co. An auto ride and banquet on Wednesday afternoon closed the proceedings.

DES MOINES FLOWER SHOW.

J. S. Wilson, of Des Moines, is chairman and manager for the autumn show of the Iowa Society of Florists, which is scheduled to take place on Nov. 7 to 10, proceeds to be given to the Red Cross. The schedule is liberal and embraces all departments of a first-class flower show. Send to J. S. Wilson for a copy.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The show given in Horticultural Hall by the Gardeners and Florists Club of Boston in an adjunct to its meeting on October 9, was a most remarkable demonstration. Rare has it been exceeded in extent and never in quality by any of the vegetable displays in the Massachusetts Horticultural Society. The list of vegetables shown comprised practically everything that goes to make up a first-class seed catalog and not only the standard popular varieties but new and rare things from the Orient were there to excite the wonder of the visitor. The show was open to the public from 1 p. m. to 8 p. m., at which time the Club convened after an inspection of the displays by the members. It is worthy of mention that this was a gardeners' enterprise mainly, the market garden element being entirely absent and the prizes were simply award cards with a few exceptions, yet the competition all through the list was very keen and the judges' task far from simple.

In the vestibule there were two immense groups by Fottler Fiske Rawson Company and Thomas J. Grey Company, both elegantly arranged for effect and both recognized by an award of merit. The big prize of the schedule was a silver cup for collection of twelve kinds of vegetables. There were five competitors for this trophy. It was won by William McGillivray of Newport, R. I., with a group of superb finish, the contents being celery, leeks, egg plant, lettuce, potatoes, tomatoes, beets, beans, onions, parsnips, cauliflower and carrots. Closely following as 2nd and 3rd were the collections staged by James Methven, Readville, and Mrs. A. T. Cabot, Brookline. The potatoes and onions were really remarkable all through the exhibition and the showing of beans, Boston's favorite food, was a record breaker. A report of merit was given J. L. Smith, Swampscott. Honorable mention was awarded to D. L. Fiske, Grafton, Frederick Cave, Faulkner Farm, Brookline, and J. A. Racz, Jamaica Plain for collections of vegetables and to W. W. Edgar Co., Waverley, for plants, and Janiten & Wollrath Co., Waltham, for chrysanthemums, cyclamen, and Mrs. Heal begonias. The regular schedule list of awards must hold over until next week's issue.

There was a fine attendance of members at the meeting considering the stormy weather. The executive committee recommended the purchase of \$250 worth of second issue Liberty Bonds, which was approved. Their suggestion to discontinue the customary sandwiches and coffee at the sessions until the close of the war was tabled till the next meeting after some spicy and amusing debate. The publicity campaign of the S. A. F. was also assigned as a special topic for

MEETINGS NEXT WEEK.

Monday, Oct. 15.

Detroit Florists' Club, Bond Hotel, Detroit, Mich.
Hudson River Florists' Club, Chamber of Commerce Rooms, Houston, Tex.
New Jersey Horticultural Society, Orange, N. J.

Tuesday, Oct. 16.

Gardeners and Florists' Club of Ontario, St. George's Hall, Toronto, Can.
Minnesota State Florists' Association, Minneapolis, Minn.
Pennsylvania Horticultural Society, Horticultural Hall, Philadelphia, Pa.

Wednesday, Oct. 17.

Rhode Island Horticultural Society, Public Library, Providence, R. I.
Tarrytown Horticultural Society, Tarrytown, N. Y.

Thursday, Oct. 18.

Essex County Florists' Club, Krueger Auditorium, Newark, N. J.
New Orleans Horticultural Society, Association at Commerce Bldg., New Orleans, La.
North Westchester County Horticultural Society, Mt. Kisco, N. Y.
Tacoma Florists' Association, Macabee Hall, Tacoma, Wash.

Friday, Oct. 19.

North State Horticultural Society, Manchester, Mass.

the next meeting. James Wheeler gave a very pertinent talk on the support given this show as compared with those of the Mass. Horticultural Society and urged a greater interest and loyalty in behalf of the latter.

Practical addresses were then given by James Donald on Peas and Beans, methods of culture, best varieties, etc., A. K. Rogers on Root Crops, Frederick Cave on Onions and Beets, James Methven on Celery, and W. N. Craig on Mushrooms. All these talks were enlivened by pertinent practical questions and discussions and much valuable cultural information was brought out.

CLEVELAND FLOWER SHOW.

F. R. Williams, chairman of trade display committee of Cleveland Flower Show reports that the following firms have reserved space in the Trade Display Section:

Ellen D. Smith & Co., Adrian, Mich.; A. N. Peterson, Inc., Cromwell, Conn.; Johns-Ross Company, Rutherford, N. J.; Elias H. Levy, Madison, N. J.; Strupp & W. Co., New York; Carl Hagenberg, Chicago; The Fredrick Co., Cleveland; The Naumann Company, Cleveland.

The final premium list has been mailed to 2,000 members of the American Rose Society, American Carnation Society, and Chrysanthemum Society of America. Growers who may not be included in this list and are desirous of securing copies of same, are requested to send names and addresses to M. A. Vinson, 402 Leader-News Bldg., Cleveland, Ohio.

A total of over \$2,800 in cash prizes, cups and medals is indicated in the premium list, a copy of which has just been received.

NEW YORK FEDERATION OF HORTICULTURAL SOCIETIES AND FLORAL CLUBS.

The annual meeting of the New York Federation of Horticultural Societies and Floral Clubs was held at the New York State Fair Grounds, Syracuse, New York, on September 12.

The meeting was called to order at two o'clock, with President F. R. Pierson in the chair. In the roll call of societies, the following delegates were present: New York Florists' Club, E. A. White; New York Horticultural Society and Tarrytown Horticultural Society, Pres. Pierson; Rochester Florists' Club, C. H. Vick, A. A. Rosin; Buffalo Florists' Club, Treasurer Adams and Mr. Slattery; Syracuse Rose Society, Dr. Mills, Dr. Bates and Mr. Thorpe; Albany Florists' Club, Mr. Snyder; others present were M. E. Farham and Prof. D. Lumsden of Ithaca, Mr. Eastwood of Waterville and W. H. Workman of Oswego. The treasurer reported funds on hand, \$215.80. President Pierson, and Dr. Bates reported that plans were under way for the erection of the Horticultural Building on the State Fair Grounds and Commissioner Wilson who was present for a moment stated that the State Fair Commission was anxious for the building, as was also Governor Whitman, and he felt sure that the building would soon be a reality.

Dr. Bates, C. H. Vick and D. Lumsden were appointed a committee to meet with other horticultural societies to confer in regard to plans for furthering the development of the Horticultural Building. It was voted that the same committee should call on Governor Whitman to present the following resolution:

"Whereas, we review with especial interest the State food situation with its widespread effects on the fruit, flower, vegetable, farm produce, seed and bee industries of the States; and

"Whereas, Governor Charles S. Whitman has shown such splendid foresight and rare judgment in meeting these conditions so vital to our prosperity, therefore, be it

"Resolved, that the State Federation of Horticultural Societies and Floral Clubs do hereby most cordially and heartily commend Governor Whitman for his praiseworthy activities and hereby pledge our united support in the promotion of his efforts, both as citizens and horticulturalists."

The following resolution was also adopted:

"Resolved that inasmuch as the New York State Fair Commission has seen fit to officially approve the erection of a representative Horticultural Building on the Fair Grounds, be it further

"Resolved, that we, the State Federation, do most earnestly endorse this step of the Commission and respectfully request that all necessary steps be taken at once in order to assure early completion of said building.

"Further, we again pledge our united efforts to the State Fair Commission and promise to assist in all ways possible the erection of a new building destined to properly represent New York State, the greatest horticultural State in the Union."

It was voted that a resolution be sent to Dean Mann of the New York State College of Agriculture, requesting that an amount necessary to

build a range of greenhouses for investigational purposes, at Cornell University, be included in the annual appropriations asked for 1917-18, and the following committee was appointed to appear before the Trustees of Cornell University, to urge that a bill to this effect be included in the annual budget of the College: F. R. Pierson, Tarrytown; Charles Vick, Rochester; W. H. Workman, Oswego; John Young, New York; Henry Elbers, Buffalo; F. A. Danker, Albany; Hon. J. R. Clancy, Syracuse. This committee is to have charge of the bill before the Finance Committee and follow its passage through the Legislature. Dr. E. M. Mills was appointed chairman of a committee of five for the organization of flower societies in different sections of the State.

The election of officers next took place. President Pierson, Secretary White and Treasurer Adams were unanimously re-elected. The following were appointed vice-presidents: Dr. Bates, Syracuse; Hugh McCarthy, Syracuse; C. H. Vick, Rochester; Anton Schultheis, College Point, and F. A. Danker, Albany. It was suggested that the next meeting be with the affiliated Society at Buffalo, during November.

SEWICKLEY HORTICULTURAL SOCIETY.

The second annual fall exhibition of the Sewickley, Pa., Horticultural Society was staged in the public school pavilion on Friday and Saturday, Sept. 28 and 29, and although no pretence was made by the exhibitors to stage exhibition quality, owing to labor conditions, there was a high standard of culture, especially in the vegetable classes. The only award, apart from ribbons, was the National Association of Gardeners' "Achievement Medal," to be awarded to the exhibitor gaining the greatest number of points. President Barnet, gardener to Mrs. J. D. Lyon, was winner and he well deserved the honor, not only for the quality of his exhibits, but for the untiring efforts he made to make the exhibition a success. M. Curran,



GENERAL VIEW OF THE FLORAL SECTION AT THE SYRACUSE FAIR

gardener for Mrs. E. M. Horn was a close second to Mr. Barnet, too close to be comfortable, the difference in points being 68 and 76. The Sewickley Canning School occupied a central position with a large display of preserved and dried vegetables and fruits. A. Leach, gardener for H. J. Heinz, staged a pretty and effective group of orchids. Other successful exhibitors included A. E. Bonsey, Wm. Thomson, A. Etherington, R. Boxell, T. Sturgis and J. Carman. All proceeds are to go to the local auxiliary of the Red Cross. JOHN CARMAN, Secy.

FLORISTS' CLUB OF PHILADELPHIA.

At the meeting of the Florists' Club of Philadelphia on Tuesday evening, October 2, officers were elected as follows: President, A. Farenwald; vice-president, David E. Colflesh; treasurer, George Craig; secretary, Fred. Cowperthwaite. Fred. Cowperthwaite, Henry F. Michell, A. A. Niessen, John P. Habermehl, J. Otto Thilow, C. Grakelow and A. Farenwald were constituted a special committee to secure subscriptions in Pennsylvania for the national publicity fund.

A pink seedling rose, Maryland Jos. Hill, exhibited by Edw. Towill was highly commended.

LANCASTER COUNTY FLORISTS' ASSOCIATION.

Thursday, Oct. 4th, greeted us with rain and overcast skies, but did not deter us from our projected trip to the Vincent dahlia show. The trip down was made in autos and without incident. We were met by the Messrs. Vincent and at once made our round of the show and it was an eye opener to most of us. Everything was done with an eye to effect and the effect was that one forgot there were any other flowers in the world but dahlias. The panels, the pictures, the staging of the cut blooms, all were so perfect that it seemed to be impossible to be the work of one man. The acre of disbudded dahlias will long be remembered by those of us who saw it. The one that came out most prominent in both the shows and here was "King of Autumn," a burnt umber tinged with

old rose, a wonderful variety from every point of view. Amy Berloit edged with Dusty Miller, both allowed to grow without any artificial training, made a bed that appealed to any one with artistic feelings. As this bed started to bloom early and has been a continuous mass of flowers.

Amy Berloit edged with Dusty Miller, both allowed to grow without any artificial training, made a bed that appealed to any one with artistic feelings and creates a new use for some varieties, as this bed started to bloom early and has been a continuous mass of flowers up to the day Mr. Frost puts a stop to it.

In the greenhouses were geraniums, top notch stock, by the million. Coleus were also in abundance, not a house of them but several houses. Fuschia, lantana, double petunia, salvia—in fact everything needed for bedding or box trade were seen in unlimited quantity.

Our little party of thirty was but a fraction of the 4,000 or over that were at this show, but none of them enjoyed it any better than "we all."

ALBERT M. HERR.



A. FARENWALD,
President Florists' Club of Philadelphia



FRED COWPERTHWAITHE,
Secretary Florists' Club of Philadelphia

Obituary

J. A. Valentine

We are shocked to learn of the sudden death of J. A. Valentine of Denver, Colo., who was killed in an automobile accident of Friday afternoon, October 5. From the *Rocky Mountain News* of Saturday, October 6, we clip the following details of this deplorable occurrence:

John A. Valentine, president of the Park Floral Company, was killed in an automobile accident near Night Hawk, Colo., at 11:30 o'clock yesterday morning, while driving three others, including his wife, to Docket's Springs on a week-end hunting trip.

The car overturned near the top of a rise on the Park road, about twelve miles west of Sedalia, pinning the Valentines and Frank B. Woodson and his wife also of Denver, beneath the wreck.

The two women managed to extricate themselves without much trouble. Woodson's life was saved by the timely arrival of Frank P. Sobey, a forest ranger of Denver, who was passing on horseback. Valentine was killed almost instantly. Mrs. Valentine suffered a broken collar bone, while Mrs. Woodson escaped with a sprained ankle. Woodson's injuries were not of a serious nature.

The body of Valentine was brought to Denver in the car of Harry W. B. Davies. Other cars, driven by B. E. Gillis, vice-president of the Park Floral Company; George Cooper, florist, and A. Gus Benson, president of the Denver Wholesale Florists' Association, brought the others of the party to the city.

Just how the accident occurred could not be definitely told by the occupants. The car was going at a moderate speed when suddenly it left the road, rolled completely over and pinned the four occupants to the roadway. Valentine suffered the greatest weight of the car, the front wheel striking him on the head.

J. A. Valentine was born in Keosauque, Iowa, in 1859. He was educated as a civil engineer, and in the early 80's helped make the survey for the Burlington railroad from Omaha into Denver. For years he has been the head of the Park Floral Co., which expanded under his able business direction. He was widely known and a man of sound business judgment and high executive ability and active and influential in a number of horticultural organizations, local and national. He was president of the Society of American Florists in 1909 and presided at the convention in Cincinnati in that year. He was president of the Florists' Telegraph Delivery Association in the early years of its making and one of its hardest workers up to and including the recent meeting in Detroit. Mr. Valentine was a man of kindly, philanthropic impulse, one who always preferred to read the better side of his fellow man and the loss to the florist fraternity is grievous and irreparable. He is survived by Mrs. Valentine and his father, John Valentine of Denver.

N. F. Flitton.

Noah F. Flitton, 75 years old, superintendent of Gwynn's Falls Park, and for many years connected with the parks and squares of Baltimore, Md., died Monday afternoon, October 8, at his home in the park which he supervised. Mr. Flitton had been ill for several months. His death was due to stomach disease.

He was appointed a park superintendent for the city 15 years ago, and for a number of years he had charge of Clifton and the acres of propagat-

ing plots under glass, where millions of plants used for beautifying the parks and squares were raised. Many park features which Clifton Park now has were developed under Mr. Flitton's direction.

At one time he was superintendent of Patterson Park, and was later placed in charge of Mount Vernon Square and smaller squares of the city. When the development of Gwynn's Falls Park was undertaken Mr. Flitton was selected for the work. He declared the park rich in natural beauty, and many times he was commended by members of the Park Board for his landscape work. He took great interest in window gardening and home gardens, which women associations offered prizes for in Baltimore, and cheerfully served as one of the judges annually.

Mr. Flitton was born in England and for many years he was head gar-



J. A. VALENTINE

denier on the estate of the Duke of Rutland. He began his horticultural work when a lad of 10 years, and by pursuing a special course of study he became an authority on plant life. He came to Baltimore from England about 35 years ago and became head gardener at Doughoregon Manor, the Carroll estate near Ellicott City. He had charge of other large estates before he was appointed a public park superintendent.

Mr. Flitton was married twice. His first wife died in England. By her he had two sons, Charles and Arthur V. His second wife, who survives him, is Mrs. Sarah Flitton. Two sons by this union survive.

For many years Mr. Flitton was secretary of the Gardeners' and Florists' Club. He was a member of the Society of American Florists since 1902 and at the present time state vice-president for Maryland. His friends were legion and the fraternity has lost a man whose good deeds and work will ever live in the memory of those who knew him.

G. E. Rhedemeyer.

George E. Rhedemeyer, general manager of the Harleigh Cemetery, Camden, N. J., 57 years old, died suddenly from acute indigestion, Oct. 8, at his home, "The Oaks," Merchantville. Mr. Rhedemeyer was in the florist business in Philadelphia before he went to the Highland Cemetery in a professional capacity and was well and favorably known to the trade. He rose finally to be superintendent and occupied that position for many years. The Harleigh was one of the first in the vicinity to be laid out along the lines of the Mt. Auburn at Cambridge, Mass. Walt Whitman and many other people of note have their last resting place in Harleigh and it has long been a favorite visiting spot for sightseers. Mr. Rhedemeyer is survived by his wife and two daughters, Mrs. Joseph I. Haines, Jr. of Rydal, Pa., and Miss Jessie Rhedemeyer.

R. W. Clucas.

R. W. Clucas, manager of the Palisades Nurseries, Inc., Sparkill, N. Y., passed away on Saturday morning, October 6, after an illness covering a period of nearly six months. Mr. Clucas was a native of the Isle of Man. He was born on October 16, 1860. He worked for his brother, John L. Clucas, a seedsman in Liverpool, as a young man, and came to this country in 1878, working first for Peter Henderson & Co., and afterwards for Pitcher & Manda. When the Clucas & Boddington Company was formed he became its president. In 1904 he started the Palisades Nurseries, with which he was actively connected up to the time of his death.

Mr. Clucas was of a cheerful and amiable disposition and much devoted to his home and family. He was married in 1887 to Miss Elizabeth McLaren. He is survived by his widow, one son and four daughters, one of whom is married.

Robert L. Pyle.

Robert L. Pyle, of London Grove, Pa., died suddenly from valvular heart failure on October 3, in his 76th year. He was treasurer of The Conard & Jones Company. For the past fifty years he has been an enterprising factor in the mercantile business in Southern Pennsylvania, having there conducted a chain of stores. He has been a stockholder in the firm of The Conard & Jones Company ever since its organization and incorporation, and in 1911 was elected its treasurer. He was also president of the National Bank of West Grove. Five children survive him, including Robert Pyle, who is president of The Conard & Jones Company.

F. A. Russell.

Frederick A. Russell of Methuen, Mass., one of the largest and most successful market gardeners in his section of the state, died on October 4, at the age of 65 years, after an illness of three days. He leaves a widow and one son.

Mr. Russell had been a lifelong resident of Methuen. He was born in a house on the same plot of land where his present home now stands. Ever

since his childhood he had devoted his long and useful life to the practice of farming. Celery was his biggest product and he raised this by the thousands of bushels.

Mrs. Joseph Heint.

Elizabeth Heint, widow of Joseph Heint, died at her home in Jacksonville, Fla., on September 21, aged 79 years.

J. A. Swartley.

J. A. Swartley of Swartley & Sons', Sterling, Ill., died on Oct. 1, as the result of a fall from a scaffolding.

RESOLUTIONS ON THE DEATH OF JOHN A. VALENTINE.

The resolutions committee of the Society of American Florists has prepared the following:

WHEREAS, God in His infinite wisdom has been pleased to call our beloved associate and former president; it is, therefore

RESOLVED, That we, the members of the Society of American Florists and Ornamental Horticulturists feel most keenly the tragic death of John A. Valentine, one forever endeared to us by his charming manner and splendid services to American floriculture, more especially in connection with the Florists' Hall Association and the Florists' Telegraph Delivery. Unassuming and considerate, steadfastly firm in truth and righteousness, thorough to the last degree, he was a man who did everything he undertook well and quietly. Devoted to his home and constantly solicitous of the general welfare, his numerous activities generously jeweled with charity, the sudden passing of this conspicuously useful man in his early prime has come as a stunning shock to a host of friends throughout the land. It is further

RESOLVED, That we tender the stricken widow and their relatives our heartfelt sympathy in this calamity and further, that these resolutions be spread on the records of the Society with such appropriate account of his life and work as may be available and copies sent to Mrs. Valentine and his business associates.

Michael Barker, John G. Esler, J. A. Peterson, Committee.

ST. LOUIS.

H. G. Berning's delivery car was badly damaged in a collision with a motorcycle last Saturday morning.

Miss Bettie Carson, formerly with the Mullanphy Floral Co., is now with the Famous Barr floral department.

W. A. Rowe of Kirkwood is cutting his Yellow Advance chrysanthemum, a sport from Smith's Advance. He has about 4,000 plants.

Joseph Hauser of Webster Grove has his new red dahlia christened "The St. Louis" through the courtesy of Mayor Kiel who thought the bloom well worthy of the name.

Charles W. Wors, Jr., eldest son of C. W. Wors, left on October 6 for Fort Riley, Kans. This makes three sons that Mr. Wors has given. Joe is in the navy and Arthur joined the Canadians.

An important hearing, of interest to growers, retailers, nurserymen, pot and box manufacturers, and others, is to be held in Washington on October 15, when the Interstate Commerce Commission will listen to argument upon a proposed order of the Commission dealing with applications for increases in freight rates which may hereafter be filed by the transportation companies.

Local and General News

CHICAGO.

Weeber & Don, of New York, have opened an office in Chicago, with W. J. Smart in charge, at 19 So. LaSalle street.

Practically everything offered by the seed stores in the fall is now to be found at the department stores whose trade cuts heavily into what was once theirs exclusively.

Almost the first blooming plants offered since spring are now coming, and the early chrysanthemum plants are ready for the stores. Cyclamen will not be far behind them.

W. J. Smart, who now represents Weeber & Don of New York at 19 S. La Salle street in this city, is well known and popular here, having traveled this territory for years, and his friends are glad to have him located in Chicago.

The conservatory recently erected by the Foley Greenhouse Manuf. Co., illustrated on cover page, is a feature of one of the new estates on the North Shore, that of R. H. McElwee. The gardener in charge is Bert Parshall. Mr. McElwee, who is a banker and lumberman, now lives in Lake Forest, but will reside in Lake Bluff as soon as his residence there can be built.

WASHINGTON, D. C.

William R. Gray, of Oakton, Va., is producing some very excellent Elanore Parker roses. This flower is a two-tone pink which is beginning to cut very nicely and is showing great promise.

Mrs. J. A. Phillips has reopened her store in Martinsburg, W. Va. This store is closed during the summer months. With her husband she operates the Flower Shop on 14th St. in the Mt. Pleasant section.

Florists desiring to remain in business after October 31, must promptly renew their licenses. A statement has just been issued by Supt. Wade H. Coombs, announcing the expiration of the licenses of the florists for this year.

Harry McCabe, who some time ago enlisted in the aviation service, is home on a furlough. Mr. McCabe is the son of Mr. and Mrs. Michael J. McCabe, who operate a stand in the Center Market and who have a large range in Anacostia.

The Congressional Party, soon to leave the United States for a tour of the Hawaiian Islands, will have as a member George W. Hess, superintendent of the Botanic Garden. He has been invited to make this trip at the expense of the Government of Hawaii.

BOSTON.

James Donald of Canton has been awarded the Wm. B. H. Dowse silver vase offered for the exhibitor winning the greatest number of points in the vegetable classes in the exhibitions of the Massachusetts Horticultural Society during the year 1917.

ROCHESTER.

Clifford & Sons have just returned from a delightful vacation in Canada.

The first violets of the season arrived Oct. 1 and are exceptionally good quality.

Salter Bros. have given up growing cut flowers at their greenhouse on Park avenue and the houses are now being disposed of.

E. C. Kaelber, Inc., have a very unusual window display of Japanese and Fulper ware arranged on plush in contrasting colors.

Thomas Sullivan has returned from farm to take up his old place with Geo. B. Hart. Robert Havill of same firm has returned from vacation.

George Cramer received a letter of appreciation from the Rochester Exposition committee on decorations thanking him very cordially for his efforts in landscape decorations.

The employees of James Vick & Sons had a picnic at the summer home of Mr. and Mrs. W. H. Dildine, at which 65 were present. Mr. and Mrs. James Vick provided entertainment in the home in the evening.

Harry E. Guenoit, chauffeur for Geo. Boucher, is with the 2nd Ambulance Corps at Camp Wadsworth, Spartanburg, S. C. The store force motored to Buffalo, Sept. 30 to inspect the flower shops, having dinner at the Statler Hotel.

CLEVELAND.

Anthony J. Rose, of the Park Flower Shop, has noticed a falling off in the corsage trade since many of his younger patrons went to war.

A. B. Barber, of the Jones Russell Co., is in Youngstown, directing the removal of the Jones Russell branch in that city to 33 East Federal street. Arrangements for the opening this week are being rushed.

C. E. Russell, of the Jones Russell Co., motored to the F. T. D. convention at Detroit carrying a number of Cleveland florists. With him will return John Kirschner, of Cleveland, and George E. M. Stumpp, New York.

The Schoen Floral Co. is preparing a window display which will consist of the telegrams and other orders received from the military and naval camps for flowers to be sent to the mothers, wives and sweethearts of the soldiers and sailors. The display will not be as complete as he would like to have it as a number of the boys request that the telegram be enclosed as a memento in place of a card.

Fred Westerberg, grower, has been drafted and is in training at Chillicothe. Perry Warren Piggott, 22, partner with his father, F. J. Piggott, West Side florist, left for the Chillicothe cantonment September 20, with the second contingent of the national army. Leonard Mesker, of Albert & George Wilhelm, florists on Lorain avenue, has been chosen for selective service. He is still at work but will leave with the next contingent.

SEED TRADE

The biggest crop of Canary Island onion seed ever grown finished its movement toward United States ports last week, when the final shipments brought the 1917 value of this export to America up to \$14,289 (\$13,882 for the United States and \$5,407 for Porto Rico), as compared with \$81,387 for 1916 and only \$9,828 in 1915. While good results had been expected, even the most optimistic planters were surprised by the great quantities of high-grade seed produced and the large buying orders from the United States—which country has bought nearly all available seed, only very small quantities remaining on the market.

NEW CORPORATIONS.

La. Grange, Ill.—Suburban Seed Co., capital stock, \$10,000. Incorporators, Albert W. Bivans, Elihu D. Watt and Alfred H. Morgan.

San Francisco, Cal.—Bertrand-Johansen Seed Co., capital stock, \$50,000. Incorporators, A. A. and Joseph S. Bertrand and John R. Johansen.

PITTSBURGH.

John Hoffman, night man for the E. C. Ludwig company, left on last Sunday night to serve the government at Camp Lee.

Albert Bauer, formerly in the Seewickley greenhouse for the Pennsylvania Lines West, has begun service in one of the aviation training camps.

Arthur James, who located at Oneco, Florida, last spring, has returned north and become a member of the staff of William M. Turner in Wilkinsburg.

Miss Rose Brind, a young Russian Jewess, who was a refugee from Palestine, has begun the course of agriculture at the Pennsylvania State College.

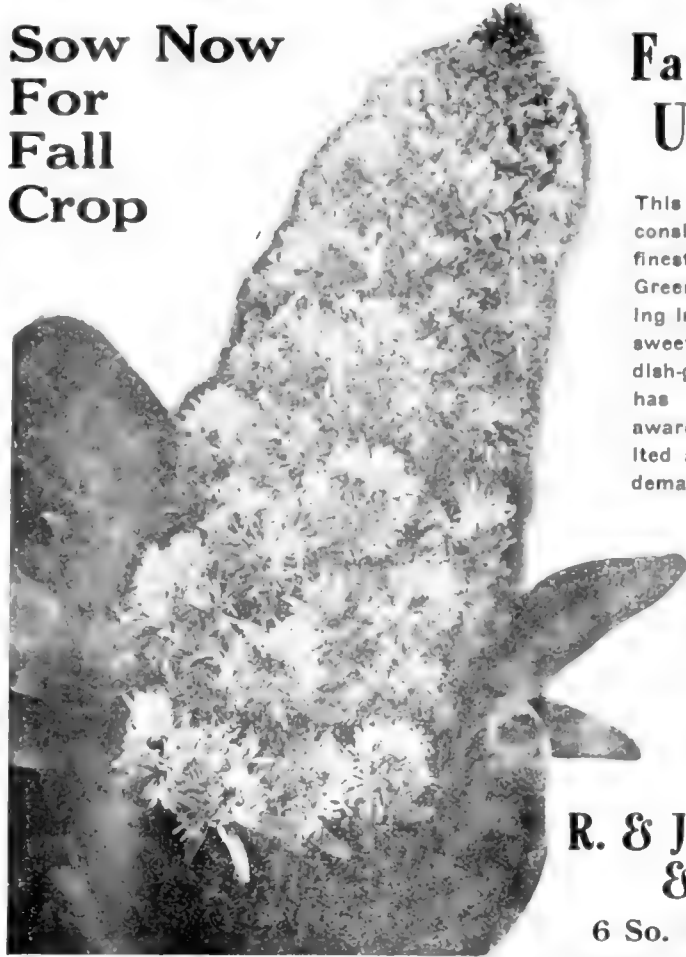
Michael Kronis, who recently opened a most attractive Alpha Flower Shop at 6022 Penn avenue, East Liberty, is already employing two men. Mr. Kronis spends most of his time at the Pennsylvania Station flower shops.

On Oct. 1st Frank C. Luckenbacher assumed the supervision of the al fresco features of "Lyndhurst," the old William Thaw estate, which was recently purchased by Emil Winter as a residence property. A large force of laborers have already been put to work on the extensive improvements. The old greenhouse will be replaced by a large and modern range of glass, while new vegetable gardens will be laid out together with the erection of ornamental terraces and tiers of steps. Mr. Luckenbacher comes to Pittsburgh from Hartsdale, New York, where he held a similar position at "Fontenay."

Our readers will miss some notes that should appear this week. The omission is due to their non-arrival at this office in time, the Columbus Day holiday obliging us to go to press one day earlier than usual.

MIGNONETTE

**Sow Now
For
Fall
Crop**



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This Mignonette is considered one of the finest varieties for the Greenhouse, producing immense spikes of sweetly scented, red-dish-green flowers. It has received many awards where exhibited and is greatly in demand for cutting.

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1-16 oz. 1.00

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PAPER WHITE GRANDIFLORA

13 c m and up (1000-1200 per case).....\$13.50 per 1000
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Cold Storage Lilies Always.

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Keystone Snapdragon Seed. Winter Bloom-
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There will be a decided shortage of
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HYACINTHS**TULIPS****NARCISSUS, Etc.**

Must make up the balance. People
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very little heat or greenhouse space
until a few weeks before selling time,
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\$1.50 PER 100**WM. ELLIOTT & SONS**

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8/11, 225 to a case.....\$80.00 per 1000

9/10, 200 to a case.....85.00 per 1000

11/13, 100 to a case.....15.00 per case

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8/10, 200 to a case.....\$80.00 per 1000

9/10, 180 to a case.....90.00 per 1000

11/13, 100 to a case.....16.00 per case

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SATISFACTION GUARANTEED.**ORDER NOW****PAPER WHITE NARCISSUS,****ROMAN HYACINTHS,****LILIUM HARISHI,****COLD STORAGE LILIUM GIGANTEUM**

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**BET, CARROT, PARSNIP, RADISH and
GARDEN PEA SEED** in variety; also other
items of the short crop of this past season,
as well as a full line of Garden Seeds, will
be quoted you upon application to

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Must be Paid*

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.

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Deliver orders from any part of the country to

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Modern Flower Shop for
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We Cover all Points in Maine

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Albany, N. Y. Frank M Briare 218
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Houston, Tex. The Brazos Green
houses, branch store.

Providence, R. I.—V. J. Berarducci,
448 Branch avenue, branch store.

New York, N. Y. Rosary Flower
Co., branch store at 918 Park avenue.

New York, N. Y. Armstrong &
Mackie removed to 713 Eighth avenue.

New York, N. Y.—Cadieux Co.,
branch store, Madison avenue, Nov. 1.

NEWS NOTES.

Albany, N. Y.—The retail florist
business of Whittle Bros., on North
Pearl street for over forty years, has
been discontinued.

Bowerstown, Ohio—The greenhouse
and dwelling house of J. G. Gamble
were burned on September 29, very
little being saved.

Somerville, N. J.—Henry the Flor-
ist has sold his business to Ferdinand
Miller, of Bound Brook, who will con-
tinue it at the same place.

Huntsville, Ala.—The Fraser Nur-
sery Company has purchased the nur-
sery, greenhouse stock and business
of the Elmwood Floral and Nursery
Company of Birmingham, Ala.

Flushing, N. Y.—The Flushing
Flower Growers, Inc., have taken over
the florist business of P. S. Schott,
310 Bayside avenue. Mr. Schott will
continue to manage the business.

Shamokin, Pa. A chrysanthemum
show will be conducted by Charles
Seybold, supervisor of parks, in the
city conservatory, during the latter
part of this month and all of Novem-
ber.

Dankler
Florist

Albany, N. Y.

The Best Service

Our Business is Growing

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Flowers shipped on all Steamers Special Correspond-
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Colonies. Telegraph and Cable address Dardflor.

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Johnston Brothers

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38 Dorrance Street

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DETROIT, MICH.

**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good
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WASHINGTON, D. C.

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Write or Phone to

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Adjoining Plaza Hotel

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Deliveries to Steamers and all Eastern Ports

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Complete Stock. Regular discount to Trade.

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Flowers of Every Kind in Season

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ANDERSON service means fresh, sturdy
Stock and prompt deliveries in BUFFALO,
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Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
here given will be promptly and prop-
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Albany, N. Y.—The Rosery, 23 Steuben St.
Bangor, Me.—Adam Sekenger, 32 New-
bury St.

Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn the Florist, 124 Tremont St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, O.—Adam Graham & Sons,
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th
St.

Cleveland, O.—The Smith & Fetters Co.,
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017
Grand Ave.

Los Angeles, Calif.—Howard & Smith,
853 So. Olive St.

New London, Conn.—Reuter's.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—A. T. Bunyard, 413 Madison
Ave., at 48th St.

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and Madison Ave.

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Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—Kottmiller, 426 Madison Ave.
and 49th St., also Vanderbilt Hotel.

Norwich, Conn.—Reuter's.

Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Providence, R. I.—Johnston Bros., 38
Dorrance St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Louis, Mo.—F. H. Weber's, N. E. cor-
ner of Taylor and Olive Sts.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—George H. Cooke,
Connecticut Ave. and L St.

Westerly, R. I.—Reuter's.

Worcester, Mass.—Randall's Flower Shop,
22 Pearl St.

Send Telegraph, Telephone or Mail orders
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Howard & Smith

853 SO. OLIVE ST.

Los Angeles, Calif.

Every Order sure to receive
prompt and careful attention.

REUTER'S Members Florists'
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between

New Haven and Providence

ST. LOUIS, MO.

FRED C. WEBER

4326-28 Olive St.

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Euclid Avenue

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegram order for
any occasion, in any part of the Dominion.

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8-10 West Adelaide St. - TORONTO, ONT.

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DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

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"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention

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The Park Floral Co.

J. A. VALENTINE, Pres.

Members Florists' Telegraph Delivery.

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The Florist Member F. T. D. Association

ORCHIDS

We can furnish them now in quantity. Prices are more reasonable. The flowers are large and of splendid color.

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1619 - 21 Ranstead St., Philadelphia, Pa.
CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

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BOSTON'S FOREMOST
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31 Otis Street, 2 Winthrop Square
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Manufactured by

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For sale by dealers.

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Wholesale Florists
RICHMOND, IND.

Please mention Horticulture when writing.

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WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service

ZECH & MANN

We are Wholesale Florists Doing
a Strictly Wholesale Business

30 East Randolph Street, CHICAGO



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If interested, send us your name and address for our weekly price list

WELCH BROS. CO. Wholesale Cut Flower Market

Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

262 DEVONSHIRE ST., BOSTON, MASS.
Telephone, Main 6267-6268

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Oct. 11		ST. LOUIS Oct. 8		PHILA. Oct. 8	
Roses						
Am. Beauty, Special	25.00	to 30.00	25.00	to 35.00	25.00	to 30.00
" " Fancy and Extra	6.00	to 20.00	15.00	to 20.00	12.00	to 20.00
" " No. 1 and culls	3.00	to 10.00	5.00	to 10.00	4.00	to 10.00
Russell, Euler, Mock	2.00	to 10.00	3.00	to 15.00	4.00	to 15.00
Hadley	2.00	to 10.00	5.00	to 8.00	4.00	to 10.00
Arenberg, Hoosier Beauty	2.00	to 6.00	2.00	to 4.00	3.00	to 8.00
Ward	1.00	to 6.00	2.00	to 6.00	2.00	to 5.00
Killarney, Radiance, Taft	1.00	to 6.00	1.00	to 4.00	3.00	to 8.00
Ophelia, Sunburst, Hillingdon	2.00	to 10.00	2.00	to 8.00	2.00	to 10.00
Carnations	2.00	to 5.00	1.00	to 3.00	1.00	to 3.00
Cattleyas	40.00	to 60.00	to 60.00	to 60.00	50.00	to 60.00
Dendrobium formosum	to 50.00	to 50.00	to 40.00	to 50.00	to 50.00	to 50.00
Lilies, Longiflorum	6.00	to 8.00	to 12.50	to 8.00	to 10.00	to 10.00
Lilies, Speciosum	2.00	to 4.00	to 3.00	to 4.00	to 5.00	to 5.00
Lily of the Valley	8.00	to 12.00	to 8.00	to 5.00	to 10.00	to 10.00
Snappdragon	1.00	to 3.00	6.00	to 10.00	2.00	to 4.00
Gladioli	1.00	to 4.00	2.00	to 3.00	3.00	to 5.00
Asters	.50	to 1.00	to 1.00	to 1.00	1.00	to 2.00
Chrysanthemums	12.00	to 20.00	12.50	to 15.00	10.00	to 25.00
Sweet Peas	to 1.00	to 1.00	to .75	to 1.00	to 1.00	to 1.00
Marguerites	.60	to 1.00	to .50	to 1.00	to 1.00	to 1.00
Gardenias	20.00	to 25.00	to 1.00	to 1.00	to 1.00	to 1.00
Adiantum	.75	to 1.00	to 1.00	to 1.00	to 1.00	to 1.00
Smilax	8.00	to 12.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	15.00	to 25.00	25.00	to 35.00	25.00	to 50.00

WILLIAM F. KASTING Co. Wholesale Florists

568 570 WASHINGTON STREET - BUFFALO, N. Y.

J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

Flower Market Reports

BOSTON There is still a pronounced scarcity of flowers in this market. This is not to be attributed to any special demand although it is also true that the demand has increased—no doubt in part because crops are short in general just now and florists out-of-town are obliged to look to the city markets for their needed supply. Roses have stiffened up in value and would go still higher if only they had the required length of stem. Carnations are bringing the best figures on record at this date for some years back. Lily values have eased up somewhat.

Retail business is satisfactory for the most part. Weddings are quite numerous, including a number of military affairs, and while decorations are not on the same elaborate scale as before the war, such things as are ordered are of the best and willingly paid for. According to one of the largest Euclid avenue retailers, September was not so good a month as August, but the latter was one of the best Augusts in years. Stocks are good as to quality. According to wholesalers, values are beginning to tighten up and an early frost would result immediately in a keen market. Asters are gone, the gladiolus supply is shortening, but dahlias are coming in freely.

NEW YORK. Market conditions present a more hopeful aspect this week. Receipts are not heavy and there is a better movement in all lines. Asters and gladioli, which have dominated the situation for a long time, are down and out and there is no special surplus of anything else in sight as yet. Cattleyas are more plentiful and the orchid famine is definitely ended. Violets are in evidence on all sides. Prices are better on roses and carnations and stationary on the majority of other things now coming in.

An outstanding **PHILADELPHIA** feature of the market here last week was a flux of roses, many more than could be absorbed. This did not apply to any one variety but included the whole list from Beauties and Russells to Ophelias and Sunbursts. The only exception was White Killarney. That one was on the scarce side. Dahlias went fine. Chrysanthemums were a little more in evidence, the two newest arrivals being Unaka and Chrysolora. Asters are over and we are now more eager for good carnations, but these seem slow in coming and most of the arrivals so far are very short stemmed.

PITTSBURGH Trade conditions continue about normal for early October, but the abnormal express facilities make it practically impossible to ship out-of-town wholesale consignments satisfactorily, and it is uncertain when or in what condition they will reach their destination. All kinds of blooms in season are fairly plentiful and of good quality with no over production of any kind. Chrysanthemums come in more plentifully each



CHRYSANTHEMUMS

The early varieties are reaching us in very nice shape, mostly Yellow and White.

\$2.00, \$3.00 per doz.

CHRYSOLOGA, we expect the first cuts about the 10th.

\$2.00, \$3.00 per dozen,
Few extra choice at **\$4.00**

POM PONS, \$3.00, \$4.00,
\$5.00 per dozen bunches

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117 W. 28th St.

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1608-1620 Ludlow St.

BALTIMORE
Franklin & St. Paul Sts.

WASHINGTON, 1216 H. St., N. W.

WHOLESALE FLOWER MARKETS

TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI Oct. 8		CHICAGO Oct. 1		BUFFALO Oct. 1		PITTSBURG Oct. 8	
Roses								
Am. Beauty, Special.....	25.00	to 35.00	30.00	to 40.00	25.00	to 30.00	25.00	to 30.00
" " Fancy and Extra.....	15.00	to 20.00	20.00	to 30.00	20.00	to 25.00	.....	to 20.00
" " No. 1 and culls.....	6.00	to 10.00	4.00	to 10.00	3.00	to 5.00	10.00	to 15.00
Russell, Euler, Mock.....	5.00	to 10.00	4.00	to 20.00	3.00	to 12.00	6.00	to 15.00
Hadley.....	.....	.....	.....	.....	5.00	to 10.00	.....	.....
Arenberg, Hoosier Beauty.....	4.00	to 10.00	3.00	to 10.00	5.00	to 10.00	.....	.....
Ward.....	4.00	to 8.00	4.00	to 10.00	3.00	to 5.00	4.00	to 10.00
Killarney, Radiance, Taft.....	4.00	to 8.00	3.00	to 10.00	2.00	to 8.00	4.00	to 10.00
Ophelia, Sunburst, Hillingdon.....	4.00	to 10.00	3.00	to 10.00	3.00	to 8.00	4.00	to 10.00
Carnations	2.00	to 3.00	1.00	to 3.00	1.00	to 3.00	2.00	to 3.00
Cattleyas.....	.....	75.00	75.00	to 100.00	50.00	to 60.00	.....	75.00
Dendrobium formosum.....	.....	.....	.....	.....	.....	.....	.....	.....
Lilies, Longiflorum.....	10.00	to 12.50	8.00	to 12.00	8.00	to 10.00	10.00	to 12.00
Lilies, Speciosum.....	.....	.....	.....	.....	3.00	to 6.00	.....	.....
Lily of the Valley.....	.....	7.00	5.00	to 6.00	7.00	to 8.00	.....	.....
Snapdragon.....	3.00	to 5.00	2.00	to 3.00	1.00	to 3.00	2.00	to 4.00
Gladioli.....	3.00	to 5.00	2.00	to 4.00	2.00	to 4.00	.....	4.00
Asters.....	1.00	to 3.00	1.00	to 3.00	.50	to 3.00	.....	4.00
Chrysanthemums.....	15.00	to 25.00	15.00	to 25.00	10.00	to 20.00	12.00	to 30.00
Sweet Peas.....	.....	.....	.....	.....	.....	.....	.....	.....
Marguerites.....	.....	.....	.....	.....	.....	.....	.75	to 1.00
Gardenias.....	.....	.....	.....	.....	.....	.....	.....	.....
Adiantum.....	.....	1.00	.....	1.00	1.00	to 1.25	.75	to 1.25
Smilax.....	.....	15.00	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
Asparagus Plu. & Spren. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	30.00	to 50.00

successive day and there are still dahlias "of quality and distinction." Gladioli are on the wane and asters have entirely dropped out of sight. There are quite a few lilies and roses are coming in fairly well, American Beauties, especially, rising to the occasion.

ROCHESTER Flowers are none too plentiful this week. The several cold days and slight frosts have shortened up outdoor stock considerably. The supply of roses is fairly plentiful, with the exception of white, which are very scarce. Ophelia, Sunburst and Maryland are now very

good. Sweethearts are also in good condition. American Beauties, for which there has been no special demand, are unusually good. Longiflorum lilies are plentiful, while Rubrums are getting poor. Chrysanthemums are arriving in larger quantities. Single and double violets are in and sell fairly well. Chrysanthemums shipped from San Francisco to this market are not satisfactory, stems weak and flowers soft.

Roses and carnations **ST. LOUIS** are improving in quality. Violets are showing better color but the blooms are

(Continued on page 411)

H. BAYERSDORFER & CO. Manufacturers and Importers

[1129 Arch St. PHILADELPHIA, PA.]

Fall Novelties Now On Display

New Show Rooms Added

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

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Wholesale Commission Florist
Choice Cut Flowers
New Address, 143 West 28th St., NEW YORK
Telephone: 1900, 1901, Madison Square.

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Wholesale Commission Florists
55 and 57 West 26th Street
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WM. P. FORD
Wholesale Florist

107 W. 26th Street, NEW YORK
Telephone 5335, Farragut.
Call and inspect the Best Establishment
in the Wholesale Flower District.

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CONSIGNMENTS SOLICITED
PHONE 608 609 FARRAGUT NEW YORK

JOHN YOUNG & CO.
WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY
Consignments Solicited
Phone Farragut 4336

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Leucothoe, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorative Evergreens.
Tel. 1903 1902 Mad St. 119 W. 28 St., New York

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
28 Willoughby St., Brooklyn, N. Y

M. C. FORD

121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone 3570 Farragut.

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RIEDEL & MEYER, Inc.

Wholesale Commission
READY FOR BUSINESS
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WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes.
TELEPHONE 2281 2089 FARRAGUT 131 West 28th St., NEW YORK CITY

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY
— SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US —
Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist
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Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the
BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.
PAUL MECONI — Wholesale Florist — NEW YORK
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A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us
FANCY GRADE ORCHIDS, SEPTEMBER MOON, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

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Phones: Farragut 558, 2026 and 2027

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

American Beauty, Special
" " Fancy and Extra
" " No. 1 and culls.
Russell, Euler, Mock
Hadley
Arenberg, Hoosier Beauty
Ward
Killarney, Radiance, Taft
Ophelia, Sunburst, Hillingdon
Key
Carnations

Last Half of Week ending Oct. 6 1917	First Half of Week beginning Oct. 6 1917
15.00 to 30.00	15.00 to 30.00
10.00 to 12.00	10.00 to 12.00
.30 to 6.00	3.00 to 6.00
3.00 to 8.00	3.00 to 8.00
2.00 to 8.00	2.00 to 8.00
1.00 to 4.00	1.00 to 4.00
1.00 to 4.00	1.00 to 4.00
1.00 to 4.00	1.00 to 4.00
1.00 to 8.00	1.00 to 8.00
2.00 to 12.00	2.00 to 12.00
2.00 to 5.00	2.00 to 5.00

GROWERS' CUT FLOWER COMPANY
WHOLESALE FLORISTS

129 West 28th Street

Tel. 8237 3583 Farragut

E. J. VAN REYPER, Mgr.

WALTER F. SHERIDAN

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133 West 28th Street, New York
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Telephones: 797, 798, 799 Farragut
Consignments Solicited

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WHOLESALE FLORIST
LILIES EVERY DAY
51 W. 28th Street, New York
Telephones, 420-421-422 Mad. Sq.

HERMAN WEISS

WHOLESALE FLORIST
Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.
150 West 28th Street, Tel. Farragut 624,
NEW YORK.

Flower Market Reports

(Continued from page 400)

small yet. Chrysanthemum Golden Glow, Smith's Advance and a sport variety of the latter in yellow are coming. Asters, tuberose and gladioli are about done. Some fancy dahlias are seen.

DURING RECESS.

Florists Club of Washington.

At the October meeting of this Club members were the guests of Edward S. Schmid and after a meeting held in the hall above Mr. Schmid's store the evening was given over to an informal program of music and fun. Charles A. Stevens was master of ceremonies, and with Milton J. Pillius and Mr. and Mrs. Kidwell furnished lots of musical fun. Fred H. Kramer also made a hit. As the newly-arrived guests made their appearance in the assembly room they were put through the third degree via a chair electrically wired for their benefit. Speeches were about as welcome as the Emperor of Germany, despite the fact that the latter would probably have enjoyed the very tasty repast, consisting of sauer kraut and all that is good that goes with it, furnished by the host.

NEW YORK.

The New York Florists' Club announce that they will hold Ladies' Night on Saturday evening, November 17th, in the Blue and Green Rooms of the Hotel McAlpin. There will be dancing at 8.30 and buffet supper at 11 o'clock. Philip F. Kessler, chairman of the house committee, is at the helm and has a free hand. "Nuff said."

Members of the New York Florists' Club—not a large but a very select party, journeyed to South Orange on Monday afternoon, October 8, to view the new and very sensational dahlia Mandaiana at the nurseries of W. A. Manda. The impression was unanimous that this new break marks a distinct advancement in the dahlia as a florists' cut flower. The visitors were hospitably entertained in characteristic Manda style.

PHILADELPHIA.

The Edgely greenhouses of Edgely, Pa., will open a city branch for the sale of their products at 9 So. Mole street on October 15. Wm. Earnshaw, late with the S. S. Pennock Co., will be in charge.

The Dreer stores at 714 and 716 Chestnut have been closed until further notice on account of congestion of orders caused by the Dutch bulb shipments being five weeks late. The announcement states that orders by mail will receive careful attention.

BOXWOOD SPRAYS

The Classic Decorative Material for all occasions.

We will have ready for shipment November 1st and will receive daily consignments of both Dwarf and Tree variety of Fancy Sprays of Virginia Boxwood. Obtain our free sample before you buy. Let us quote you on your requirements.

PITTSBURGH CUT FLOWER COMPANY

116-118 Seventh Street, PITTSBURGH, PA.

J. K. ALLEN

SERVING THE TRADE AS WHOLESALE COMMISSION FLORIST FOR OVER THIRTY YEARS.

I have room now for a few more regular shippers of good flowers. I have a steady market for all varieties. Make a start now for the coming season.

118 West 28th St.

NEW YORK

TELEPHONES
Farragut 167 and 3058

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Oct. 6 1917		First Half of Week beginning Oct. 8 1917	
Cattleyas.....	35.00	to 50.00	25.00	to 40.00
Dendrobium formosum.....	.....	to 30.00	.....	to 50.00
Lilies, Longiflorum.....	3.00	to 5.00	3.00	to 5.00
Lilies, Speciosum.....	2.00	to 3.00	2.00	to 3.00
Lily of the Valley.....	3.00	to 8.00	3.00	to 8.00
Snagdragons.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	.50	to 2.00	.50	to 2.00
Asters.....	.25	to 1.00	.25	to 1.00
Chrysanthemums.....	12.00	to 20.00	12.00	to 20.00
Sweet Peas.....	.25	to .50	.25	to .50
Marguerites.....	.25	to .50	.25	to 1.00
Gardenias.....	20.00	to 30.00	20.00	to 30.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, & Spreng (100 bunches).....	10.00	to 20.00	10.00	to 20.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

Address Your Shipments to

UNITED CUT FLOWER CO. Inc.

111 W. 28th St., NEW YORK

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CONVENTION VISITORS WELCOME

HENRY M. ROBINSON CO. OF NEW YORK WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

J. J. COAN, Inc.

HIGH CLASS FLOWERS.

ALL THE STANDARD STOCK.

THE PRODUCT OF THE LEADING GROWERS.

NOVELTIES AND UNUSUAL VARIETIES A SPECIALTY.

Consignors of Good Stock for the New York Market Please Call or Write

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NEW YORK

TELEPHONES
Farragut 5413 or 5891

Established 1888

Tel. 541 Farragut

GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New England Grown Novelties.

FLOWER GROWERS

I have a good wholesale market for Pansies, Violets, Carnations and all other stock of quality.

Regular Shipments Solicited

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REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Decorative Glassware, Growers and Florists' Requisites

Beechwood Heights Nurseries

Importers and Growers of

ORCHIDS

Cut Flowers of All the Leading Varieties in their Season.

THOMAS YOUNG, Jr., Proprietor
ROUND BROOK, N. J.



RAFFIA AND HOLLAND NURSERY STOCKS

We have received the following notes from McHaffey & Co., New York.

Market stocks of raffia improved during the week. There was only one crop in England and 15 in France, due to the very unfavorable spring weather in Europe.

Plant and other stocks in large sizes were very scarce. The S. and plantings were in general good, but a wet spring did not make much of them run to seed. Sizes were good and there are now shipping the different sizes. The nurseries shipping service from France will be equal to as good as in the States.

The U. S. Army officials have taken every job of raffia work here. It is used for an outside work for the protection of our troops in France. The French authorities had formerly taken all shipments in transit for the same purpose. It looks as if there will be no raffia available for trade purposes for some time, though we are now negotiating for the lease or purchase of a steamer to bring the shipments awaiting shipment.

Owing to this being a regular sailing time in Holland, arrangements have been made whereby the fall Holland nursery stock shipments will come on special steamers sailing mid-October and November. It is likely that the same arrangements will be made for spring shipments unless there are regular sailings then.

Lilium giganteum shipments will be very late this season in arriving from Japan, owing to the lack of shipping space. All available steamers and space is being used for carrying war supplies. Formosums are already here.

A MASTER GROWER.

A visit to the Nahant greenhouses of Thomas Roland is all that is necessary to convince anyone of the fact that the caption of these notes is no exaggeration. The houses of acacias, in which about forty species are represented, are a sufficient attraction to repay a long-distance trip to this noted establishment. Mr. Roland seems to have solved the problem of the easy propagation of *Acacia pubescens*, for there are young plants in many sizes, including seedlings, in abundance. Of cyclamens, over half an acre of perfect plants presents a treat of timely interest for the florist who realizes what that means for the coming Christmas. Of ericas there is an almost endless array in frames and houses. There are two houses of Mrs. Peterson begonia and one of the now scarce *Dracæna Massangeana* with almost no limit to the Lorraine begonias, oranges, ferns and camellias which go to make up the prospective Christmas stock. Mr. Roland has a very pretty golden foliaged sport of *Begonia Lorraine* which should prove popular.

SEEN AT CLIFTONDALE.

William Sim, at Cliftdale, Mass., has a field of 150,000 Princess of Wales violets. The plants are of extraordinary size and vigor and there is not a trace of red spider, the field violets' great foe. Mr. Sim will begin housing the violets on October 15. He will plant 100,000 and has 50,000 to sell. He will grow no sweet peas this year. The houses where the peas were to be planted have been used for asters, which followed the late crop of sweet peas and are still a mass of bloom. After the violets, tomatoes will follow. The asters under glass are far supe-

CLASSIFIED DIRECTORY

Advertisements in this Department, Ten Cents a Line, Net

BULBS

C. KEHR & SONS, HILLEGOM, Holland. Bulbs of all descriptions. Write for prices. NEW YORK BRANCH, 8-10 Bridge St.

CARNATION PLANTS

CARNATIONS—Harry Fenn and Lawson, \$5.00 per 100. White and Pink Enclandrose, 120 per 100. Matchless, \$6.00 per 100. Cash. CHAS. H. GREEN, Spencer, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply needed. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post-paid. L. L. PILLSBURY, Galesburg, Ill.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell. Stock For Sale. JOHN P. ROONEY, New Bedford, Mass.

Orders looked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DAISIES

DAISIES (Bellis), Montrose, white and pink, also Longfellow and Snowball. Thinly sown, held grown, strong seedlings, \$2.50 per 100. Cash. BRILL CELERY GARDENS, Kalamazoo, Mich.

GLASS

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

rior to those outside and "yellows" is unknown when they are thus protected. There is a vast field of polyanthus primroses. These will be taken in about November 1st and will be flowering for Christmas. Mr. Sim plants a row of tall growing corn between the beds in the field as primroses want some shade during summer. Auriculas are planted out in the sheltered spaces between the houses. These are already blooming quite freely. They are expected to prove popular as pot plants for midwinter.

Mr. Sim has devoted several large houses to carnations this season. Pink Delight, Rosette, Enchantress Supreme, Matchless, Alice and Benora are remarkably fine—in fact, we have never before seen anything to approach the house of Benora in profuseness and vigor at this date. This is the second year of carnations here and they seem to fairly revel in Cliftdale soil and Sim culture.

VISITORS' REGISTER.

New York—W. H. Greene, Tallahassee, Fla.

Rochester, N. Y.—Robert Bard, Syracuse.

Philadelphia—R. Hibberd, Durham Floral Co., Durham, N. C.

Pittsburgh—Edward J. Fancourt, representing S. S. Pennock Co., Phila.

St. Louis—Julius Dilloff, repr. Schloss Bros., New York; Thos. Wolfe, Waco, Tex.

Boston—Prof. A. G. Hecht, Amherst, Mass.; Harry A. Bunyard, Nitrate Agencies Company, New York.

NURSERY STOCK

SELLING OUT OF NURSERY STOCK

We are now offering 1000 nurseries a fine lot of standard varieties of Ornamental, extra large as well as medium. We wish to call special attention to our blocks of fine Barberry Thunbergii in two sizes, 18 to 24 inch and 2 to 3 feet. This is splendid stock, well branched and extra bushy. If you are interested in this or any other lines, write for prices and list of stock. THE LIVINGSTON SEED CO., Columbus, Ohio.

FANSY PLANTS

FANSIES Thinly sown, strong field-grown seedlings. Strains unsurpassed by any for size of bloom or color, \$2.50 per 1000. Cash. BRILL CELERY GARDENS, Kalamazoo, Mich.

PEONIES

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

ROSES

Roses, Canons and Shrubs. THE CONARD & JONES COMPANY, West Grove, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGGER & INRELL, Summit, N. J.

VINES

Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Pleasant Nursery, New Rochelle, N. Y.

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WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

HELP WANTED

WANTED A ROSE GROWER

To work under foreman, on modern place five miles from Boston. State age, experience and wages expected, to

THOMAS ROLAND

NAHANT, MASS.

WANTED—By the E. C. Ludwig Floral Company, 710 East Diamond Street, North Side, Pittsburgh, Pa., an experienced florist, either single or married, for night work. Answer in person or in own handwriting, stating experience.

WANTED—Two young men who have had a few years experience in the flower seed department. Answer in own hand writing to "Flower Seed Dept.," STUMPP & WALTER CO., 30 Barclay St., New York.

STATEMENT OF OWNERSHIP, MANAGEMENT, ETC., OF HORTICULTURE

As Required by the Act of Congress Aug. 24, 1912.

Publisher—Horticulture Publishing Co., Boston. Editor and Business Manager—Wm. J. Stewart. List of stockholders holding one per cent. or more of total amount of stock—W. W. Castle, N. F. Perkins, Wm. J. Stewart, Andrew Stewart, J. K. M. L. Farquhar, P. Welch, David Welch, of Boston, Mass.; Estate of F. R. Mathison, Waltham, Mass.; Thos. Young, Jr., W. F. Sheridan, F. H. Tracendy, Chas. Schenck, John I. Raynor, New York City; Estate of W. F. Kasting, Buffalo, N. Y.; A. S. Burns, Elmhurst, N. Y.; Wm. S. Person, S. S. Pennock, Philadelphia, Pa.; John Burton, Chestnut Hill, Philadelphia, Pa.; Estate of Carl Jurgens, Newport, R. I.; Philip Breitmeyer, Detroit, Mich.; Fred Lautenschlager, Chicago, Ill. Bondholders, mortgagees and other security holders—none.

Sworn to and subscribed before Notary Public by WM. J. STEWART, Business Manager.

Boston, October, 1917.

PLAY SAFE—USE

VITRIO**Insecticides and Fungicides**

YOU can't afford to take chances on the Insecticide or Fungicide you use. You have to be sure that it will do what you bought it to do. Use the Vitrio Brand Kind and be sure. Every Vitrio Brand Insecticide and Fungicide notches right up to the rigid quality Standard of the Nitrate Agencies Co. Every ingredient guaranteed.

Send for prices on any or all of those listed below.

VITRIO-BORDO (Paste)
Specially compounded Bordeaux Mixture.

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Same as above in Powdered form.

ARSENATE OF LEAD POWDER
30-33% Arsenic Oxide.

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PARIS GREEN (Pure) VITRIO
Combination of our Special Bordeaux and Arsenate of Lead.

BLUE VITRIOL 99% PURE
Large Clear Blue Crystals.

FISH OIL SOAP
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Send for our Spraying Calendar.

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Aphine
*The Insecticide that
Kills plant Lice
of many species*

The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

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For mildew, rust and other blights affecting flowers, fruits and vegetables.

Quart, \$1.00; Gallon, \$2.50.

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For eel worms, angle worms and other worms working in the soil.

Quart, \$1.00; Gallon, \$2.50.

SOLD BY DEALERS.

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**LEMON OIL CO'S
STANDARD'S
SOLUBLE IN WATER
INSECTICIDE**
NO ODOR NO POISON

Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c.; Pint, 40c.; Quart, 75c.;
1/2 Gallon, \$1.25; Gallon, \$3; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50.

Directions on package.

LEMON OIL COMPANY

Dept. S. 420 W. Lexington St., Baltimore, Md.



**Sold by Seed Dealers and Used in
New England 35 Years**

Hammond Insecticides used by Florists and Gardeners for generations, and before this our paint was used on Hot Houses because it did not wash off. Twemlow's Putty is unexcelled.

Send for Pamphlets or information regarding your needs.

HAMMOND'S PAINT & SLUG SHOT WORKS
Beacon, N. Y., U. S. A.

OUR PRODUCTS SOLD BY SEED DEALERS

Don't Think Only of Scale
when you think of
"SCALECIDE"
it is all there is to
Dormant Spraying

Does *all* that any other spray will do—but no other spray will do *all* that "SCALECIDE" will do. Kills all kinds of scale—all forms of fungus and insects that can be reached in dormant season—and invigorates your trees—and costs no more. *Read our money-back proposition* before ordering anything else.

Send for free booklet,
"Profits in Fall Spraying"

B. G. Pratt Co., Mfg Chemists
50 Church St. Dept. 12 New York



NIKOTEEN

For Spraying
APHIS PUNK
For Fumigating

Ask Your Dealer For It
NICOTINE MFG. CO.
ST. LOUIS

**USE
WIZARD
BRAND
CONCENTRATED PULVERIZED
MANURE**

Pulverized or Shredded
Cattle Manure
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The Florists' standard of uniform high quality for over ten years. Specify: **WIZARD BRAND** in your Supply House order, or write us direct for prices and freight rates.
THE PULVERIZED MANURE CO.
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Use N. A. C. Products for more profitable results. Send for prices on our complete list of Fertilizers and Insecticides.

HORTICULTURAL DEPT.,
Harry A. Bunyard, Mgr.

NITRATE AGENCIES CO.
106 Pearl St., New York

Est. 1765

Pot Makers for a
Century and a Half**HEWS****STRONG
RED
POROUS****POTS**

Inc. 1904

World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**CHRISTMAS GREENS QUARANTINE IN PENNSYLVANIA.**

By virtue of authority conferred by an act of Legislature approved June 29, 1917, The Pennsylvania Department of Agriculture hereby prohibits the shipment, transportation, acceptance, receipt or sale or other disposal in the Commonwealth of Pennsylvania of any coniferous (evergreen) trees, such as spruce, arbor vitae (white cedar), fir, hemlock, or pine, known and described as "Christmas trees," and parts thereof, and also decorative plants, such as holly and laurel, known and described as "Christmas greens or greenery," which were cut or originated in the gypsy moth quarantine area in New England as bounded, maintained and described by the Federal Horticultural Board.

It is further ordered (1) that any plant materials described above received in this State from the above quarantined area, shall be destroyed as a public nuisance. (2) In case of doubt in regard to the origin of any such prohibited plant material, the burden of proof shall be upon the owner or shipper.

J. G. SANDERS,

Economic Zoologist.

Approved August 15, 1917. Charles E. Patton, Secretary of Agriculture.

COLLEGE THIS WINTER.

If you have wanted to go to college, but have never completed a high school course, here are two excellent opportunities for you. Ohio State University at Columbus offers a three-year course which opens Tuesday, Oct. 16th and closes March 15th. In the allotted time a well rounded education can be obtained. The work is adapted to the horticulturists, the florist and the nurseryman; besides the fundamentals in science, courses are given in English, soils, fertilizers, insects and the practical courses in vegetable gardening, fruit growing, floriculture and landscape gardening. An opportunity is given the students to avail themselves of the advantage of military drill.

The eight weeks winter course opening Jan. 7 will give those persons a chance to attend college who cannot spare the full three years. A word in regard to the cost of taking such a course may not be out of place. The tuition is free. Energetic students have excellent opportunities to wait on table for their board so that the time spent in Columbus should not be very expensive. It is estimated that a student can go through the eight weeks winter course for \$58. Address the College of Agriculture, Ohio State University, for the catalogue which will explain all about these courses. The three year courses open October 16th.

DREER'S "Riverton Special" Plant Tub

No.	diam.	En.	Doz.	1000
10	20 in.	\$1.00	\$21.50	\$175.00
20	18 in.	1.00	18.50	150.00
30	16 in.	1.25	14.25	115.00
40	14 in.	1.00	11.25	90.00
50	12 in.	.75	8.25	65.00
60	10 in.	.55	6.00	45.00
70	8 in.	.40	4.50	35.00

Manufactured for us exclusively. The best tub ever introduced. The neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

HENRY A. DREER, Seeds, Plants, Bulbs, and Supplies, 714-716 Chestnut St., Philadelphia, Pa.**BLIGHT ON HELIOTROPE.**

Editor HORTICULTURE:

I note from your edition of September 29th, "H. E. C." of Ohio asks information regarding the cause of and remedy for blight on plants of heliotrope growing both in the greenhouse and outside.

In answer to this inquiry it was suggested that Thrip Juice No. 2 or whale oil soap be used. This would hardly be possible, as both the remedies suggested are insecticides—not fungicides. The disease or blight of the heliotrope is caused by a fungus called septoria. There are over nine hundred species, all parasitic, several of them of economic importance, but most of them occurring on non-economic hosts. *S. pisi* is often found on the foliage and pods of late-grown edible peas as well as on the foliage of sweet peas. *S. piricola* is found on trees of pears and apples; *S. fragariae* on the strawberry; *S. antirrhini* attacks the snapdragon severely; *S. chrysanthemella* is prevalent in some sections on the chrysanthemum, both on the cuttings as well as on the leaves of old plants.

The writer would recommend one or the other of the following remedies to be applied to the plants or cuttings in order to check the spread of the disease as well as to clean up the spores during the stage when they are being transmitted from one plant to another.

CUPRAM.

Copper Carbonate, 1½ ounces.
Commercial Ammonia (strong), 16 ounces.
Liquid.

Water to make 10 gallons.

In preparing the fungicide, dilute the ammonia with ten parts of water and shake it up with the carbonate until this is dissolved; afterwards add the rest of the water. Spray the foliage of the plants occasionally throughout the season with this mixture. Bordeaux mixture may be used, formula 4-4-40, but on account of a lime deposit left on the foliage after spraying, this is somewhat objectionable.

If "H. E. C." of Ohio would send in specimens of the plants affected with the disease, we will be glad to give him information regarding the species and life history of the disease.

D. LUMSDEN.

Cornell Univ., Ithaca, N. Y.

GREENHOUSES BUILDING OR CONTEMPLATED.

Leoti, Kan.—Clara Drury, one house.

Buffalo, N. Y.—P. H. Poore, rebuilding.

Natick, Mass.—James Wheeler, 200 ft. house.

Fairmount, Ind.—Fairmount Floral Co., one house.

Minneapolis, Minn.—L. S. Donaldson Co., rebuilding.

Philadelphia, Pa.—D. S. Klander, 6407 North Seventh avenue, one house.

Philadelphia.—House 76.7 ft. x 96.2 ft., 1120 E. Washington lane, by King Construction Co.

CATALOGUES RECEIVED.

Bobbink & Atkins, Rutherford, N. J.—Wholesale Iris Catalogue.

John Connon Co., Hamilton, Ont.—Wholesale Price List, Fall 1917. Plants, trees, roses, shrubs, vines and herbaceous perennials.

Cottage Gardens Nurseries, Eureka, Cal.—1917 Catalogue of California Grown Holland Bulbs and Sweet Peas. A handsomely illustrated catalogue and very interesting as showing the encouraging progress being made by C. W. Ward in the production of Holland bulbs in California. The list of Darwin tulips is particularly distinct and choice.

Pittsburgh Cut Flower Company, Pittsburgh, Pa.—General Catalogue of Florists Supplies, comprising every sort of material and all implements required in the conduct of a modern flower store or greenhouse. Also the products of the extensive range of glass conducted by this company. The catalogue is profusely illustrated, very comprehensive and a model of printing art.

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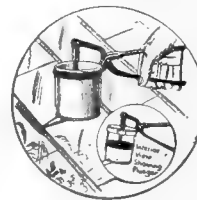
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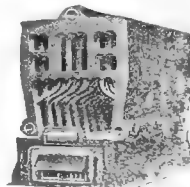
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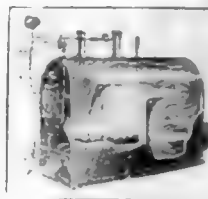


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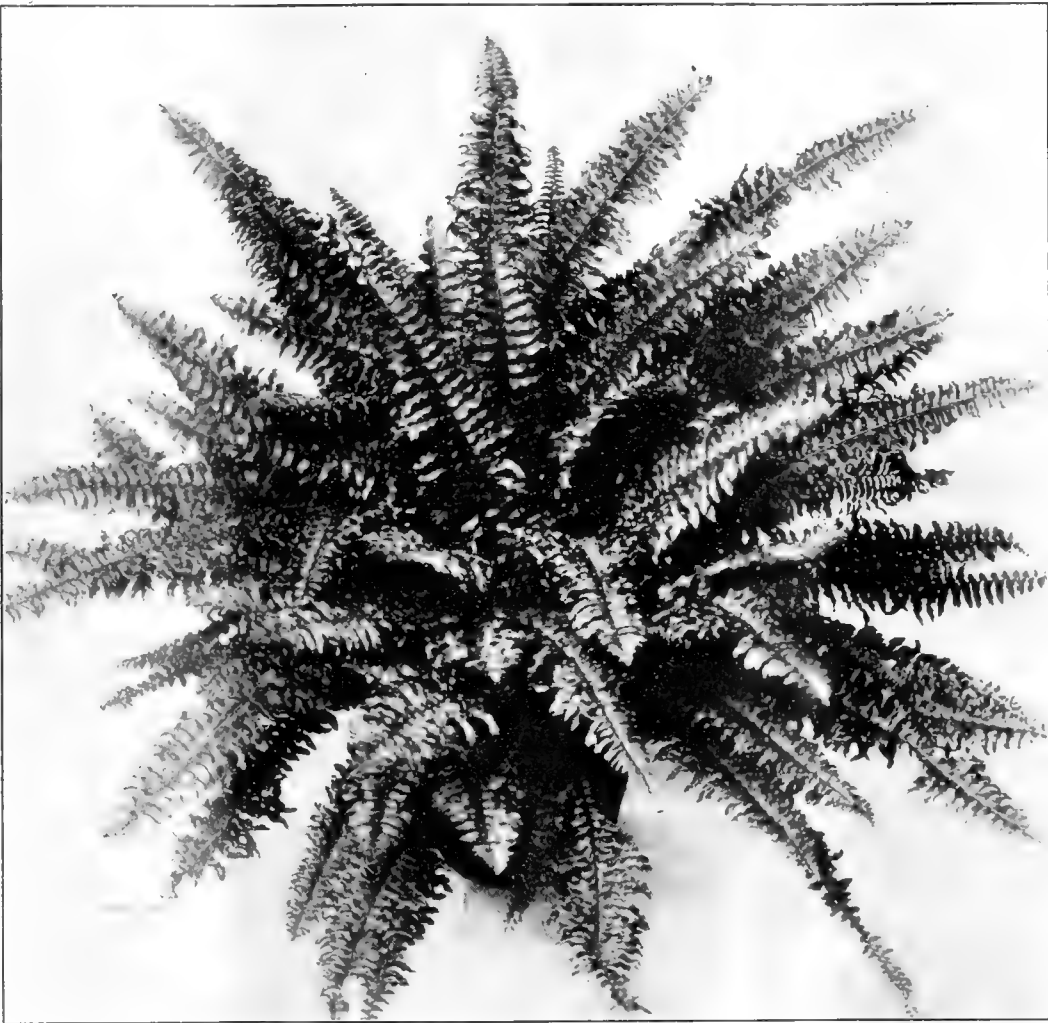
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WILLIAM SIM, Cliftondale, Mass.

Vol. XXVI
No. 16
OCT. 20
1917

HORTICULTURE



Nephrolepis exaltata "President Wilson"

Published Every Saturday at 147 Summer Street, Boston, Mass.
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IMPORTANT. Unless existing differences between the U. S. and Dutch Governments are solved promptly and satisfactorily, which does not appear probable, no further Dutch shipments will arrive. In this case there will be no Lily of the Valley or Spirea this season. This together with the lack of Azaleas and all Belgian plants will make the wide-awake florist to make more extensive plantings of Dutch and French bulbs. Roman Hyacinths as a substitute for Lily of the Valley and bulbs in pots and pans to take the place of Azaleas.

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French grown	\$1.10	\$10.00
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Kelserkroon	1.50	13.50
La Reine	1.50	13.50
Yellow Prince	1.50	13.50
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Couronne d'Or	\$2.35	\$22.00
Crown of Roses	2.60	24.00
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	100	1000
Lucrecia	\$1.50	\$13.50
Tournael	2.10	19.50
La Candeur	1.50	13.50
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Giganteum 7 9 (300 bulbs to case) ..	\$5.50	\$50.00	\$15.00
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 \$6.00 per 100; 5 in., \$25.00 per 100.

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ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Ventilation

Proper attention will now have to be given to the ventilation and air will have to be applied by inches from now on. In the morning, it will pay to leave some steam on until the houses reach 68, when it can be turned off, and then turned on again when the houses reach 66 at night. Be sure to carry air all night unless very windy or stormy. It is poor policy to shut down the vents as soon as it gets cool, to save coal. In tight houses a crack of air should be left on unless the temperature outside drops to 26. Air will have to be applied gradually in the morning; as soon as the temperature reaches 64, add a little more air, then again at 68 and 72, then run the temperature to regular day heat or 74 to 76 on clear days. During cloudy weather it will be best not to allow the temperature to run over 68 with 66 as an ideal heat. If warmer, the foliage will surely get soft and trouble with mildew will follow. On partly cloudy and clear days a temperature of 72 is good. This, however, will be hard to maintain, with continual changes outside. It will save time; therefore, to add air only when temperatures go over 76 and reduce when it falls below 68. Steam may be necessary now and then to keep the houses from going below 66.

Placing The Heat

As long as only one pipe of steam is needed it should go around the walls of the house, near the front and back if possible. Any additional heat should be distributed between the center and the north side in three-quarter-span houses and distributed evenly in even-span houses. Our experience tells us it is best to have heat just north of ventilators to send a warm current of air up to meet the cold coming from the open vents and warming this or breaking it up before it can strike the plants. This will give fresh air and at the same time keep some plants from being chilled by cold air coming straight down on them from above.

Feeding

As soon as the weather gets cooler it will be safe to start feeding a little, being careful to apply feed only to plants which are able to take it. Tankage, blood and bone, bonemeal, are all good, especially the latter which can do no harm. The two former should be used carefully when the plants have just started a new growth. Feeding at this time will give the flowers which are coming an extra long stem, and this again will put them into the better grades and better prices. With Beauties a mulch of good well decayed cow manure will be needed. With Teas, if plenty of manure was used in the soil, only enough mulch should be applied to protect the roots, depending on other feeds to keep the plants going. The Tea varieties will be much easier to handle during the winter months if they are not mulched too heavily. Apply enough manure to keep the surface of the soil open and rough so it will not

wash when watering. Then apply feed as needed. Be careful not to have the plants too dry when feed of any kind is given, and be sure to follow with hose if manure is applied.

Crown-Gall

This disease seems to be more plentiful than ever and the only thing to do is to keep right after it and cut it off and burn it as soon as it appears anywhere. Cut right down to the clean wood when removing the diseased portions, and where it is possible take off the whole branch. As near as I can tell, crown-gall appears to be the same as black-knot of the cherry and plum or tree cancer. It will, therefore, be well to clean it all out on such trees around the place and avoid using soil coming from the vicinity of these trees. /

Tying

Keep right after this end of the growing, especially in the Beauty houses. If the plants lie around too long they are likely to get diseased, and in many cases the growth will go blind, being of little use to the plant. When Beauties are tied, see that all the long stems are kept on the same side of the wire all the way up. If this is not done it will be hard work to bend down the long growths when it becomes necessary to do this.

Clean Out the Spider

Now is the time to clean out red spider if it is anywhere among the plants. There may be only one little nest, but even this should not be allowed to exist. Mark all places where there are nests and see that these receive an extra good syringing when the clear day comes. Often it will pay to go around and syringe these places even when the rest of the plants are let go. If they are not cleaned up now it will be more troublesome later; besides the wood for propagating is likely to be infested and will prove troublesome as the cuttings cannot be syringed, but only dipped before being put into sand, and even that is not always effective as air bubbles will form under the leaves and these will hide insects and protect their eggs. We can never tell what kind of weather is in store for us, and should a dark winter follow, it would be discouraging to have spider creep through the plants.

Blackspot

Be on the watch for this, as it will likely creep in one place and spread a good deal before the grower will realize what is happening. Pick off and burn any spot that may show. Pick it when cutting, tying, watering or doing anything around the plants, for if this is not done the spot is bound to spread. This is the time of the year for it, too, and should the plants get a good dose of it now, they will hardly amount to anything until spring. Go through them once a week and remove all diseased leaves, use plenty of air slacked lime after watering or syringing, and avoid wetting the foliage when watering on cloudy days.

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the seed trade is fully aware. The agricultural colleges, wherever located, can perform a splendid service for this country if they will take up this matter seriously and at once, and we have no doubt that they will find the seedsmen ready and willing to encourage and co-operate with them.

Express

service

We are not surprised at the uneasiness and even consternation which prevails in many quarters over the existing conditions and outlook as regards the transportation and delivery of plants and flowers by express. In the past the express companies have been alert and eager for this business and extremely jealous of competition by parcel post or other methods of carrying these goods. But now, under the pressure of Government traffic and monopolizing of railroad service, they are simply overwhelmed and throw up their hands insofar as the safe delivery of these perishable goods is concerned. We have knowledge of a small parcel sent from Boston to New York two weeks ago by American Express which was not delivered until the fourth day after they accepted it, although it was marked for special attention and haste. A package from New York to Rahway, N. J., recently, which took two days to make the twenty-five mile trip, is another instance. We are informed that the service has improved somewhat within the past week but how long this will last, no one knows. The problem of getting flowers from growers at a distance to the large city markets during the busy season which is now approaching has a formidable look at the present time.

The road to quality

One has only to saunter through the wholesale flower markets and commission houses on any morning throughout the season to discover the fact that not all rose growers produce flowers of uniformly good or even passable quality. So exceptional, indeed, are the establishments that turn out high-grade blooms right along that the buyers in the wholesale market know most of them by name and not infrequently are able to recognize at sight this or that grower's product. There never has been a year when the grower has needed every cent that his goods can realize so imperatively as he will this year but if he expects to get top prices he must put quality into his goods and even at best that will be close enough to the danger line under the conditions that now loom up. We would, therefore, call the attention of our readers, especially those growing roses for the wholesale markets to the very practical and timely notes on the cultural care of roses under glass by A. C. Ruzicka which will appear in *HORTICULTURE* weekly through the season. Mr. Ruzicka's ability as a rose grower is widely recognized and the advice he gives in these notes is sterling and reliable. The imperfect product which so many growers turn out is undoubtedly due very largely to the indifference and neglect of the little things on which Mr. Ruzicka lays so much stress. Read carefully what he has to say and in following the advice he gives you will be doing just what all of the really successful rose growers practise continuously.

A grave exigency

A communication from Professor Hecht of Amherst Agricultural College on the subject of seed growing in this country, appears in this issue and is worthy of the attention of the American seed trade, for it touches on a matter which vitally affects their interests. This subject is both timely and urgent, as everyone engaged in

Commencing with the first issue in November, 1917, advertising rates in "Horticulture" will be slightly advanced as shown on the new price list at top of this page—this as an unavoidable result of the war revenue law providing for higher postage and other special taxation on publications. This step was taken months ago by other horticultural weeklies.

An Appeal to the Grower

The Editor of HORTICULTURE in last week's issue gave the growers a pretty strong talking to. I fully agree with his sentiments. Now let us stop arguing who is to pay for publicity. Action is needed, and needed immediately. It seems to have come at last—this action. We are all in the same boat, grower and retailer together.

Did you ever hear Wallace Pierson's story about the dog sitting on a bur and howling? If not, get him to tell it to you the next time you see him. It strikes home to our case. I could not tell you the story. If I tried to I would only make a mess of it, but it tells in an illustrating way the story of our needs. Now Brother Grower look up your ledger and you will notice how bad you need publicity. Here is a chance now started by public-spirited men to give it to you on very reasonable basis. It will be co-operation nation-wide. It will go to the smallest grower and town in the country. Now don't be a slacker. Help to make this a success. Pay this little money which is needed of you according to your means. I have subscribed for \$100. My place covers 100,000 square feet of ground. Now figure out what you can do in proportion to this and send your subscription to the Secretary of the S. A. F., John Young, 53 W. 28th street, New York. You will be asked in a very short time to pay about 50 per cent of this and the rest some time in the future. This should not be hard on anybody for the great benefit which it will bring to your business. The agitation for economy all over the country will hurt flowers more than anything else if we don't counteract at once with the proper publicity, for flowers are not luxury but absolutely necessary to civilization. This S. O. S. signal should go to every grower, and every grower should get on the band wagon now and make a success of this great undertaking. Now all together.

A. F. Furmold

Roslyn, Pa.

Seed Growing for America

Editor HORTICULTURE:

The timely editorial appearing in HORTICULTURE two weeks ago regarding the present and future seed supply, no doubt has been given a deal of thought and consideration. There is no other phase of horticulture which seems more important at present than this one. With an embargo on practically all foreign seeds and with the increased demands for good seeds, the present situation is not very encouraging, nor does the outlook for the future importation look very promising. To relieve this embarrassing shortage of good seeds will mean a great deal of work and effort on the part of Americans. However, the situation is not too difficult to overcome and if we all do our share in this behalf our effort will be crowned with success. Many of the garden seeds are now produced in this country, but unfortunately we have been dependent more or less on the foreign countries for a large proportion of them. Some of the seed firms have already done great work along this line and have shown us that some of these seeds formerly imported can now be grown successfully in this country, and unquestionably practically all seeds needed in this country will eventually be grown here.

The colleges no doubt can do a great deal in developing the industry of seed growing, and the Department of Floriculture at M. A. C. is ready to do all it can to encourage the development of this art. Many problems come up in connection with an undertaking of this sort and it is only with the heartiest co-operation of seed growers and others interested in the seed trade, that we can make this a success. May we therefore, ask these people to give suggestions and help us wherever possible. The time to begin this work is now, and let us all do our share. Sincerely yours,

Q. G. Hecht

Agri. Col., Amherst, Mass.

PROPAGATING BEDDING PLANTS.

Editor of HORTICULTURE:

Will you have the kindness to give me more or less reliable information on the best time to propagate the following plants for next summer bedding out purposes?

Fuchsia, Heliotrope, Ageratum, Geranium, for stock plants and for bedding plants.

In other words, I wish to know when is the best time to make cuttings for stock plants so that I could make from these plants cuttings again for bedding out. And when is the best time to make cuttings for bedding purposes so that by May 20th they would be of a good size for planting in the open. Yours very respectfully,

J. D.

New York.

It depends somewhat upon how many you want, but you should start at once to prepare your stock plants and keep propagating continuously all through the winter, keeping the stock always free from insects and never allowing it to stop active growing and become hard. A temperature from 62 to 65 degrees should be maintained for the class of plants mentioned. Soft cuttings struck from January on are the best from which to get the final stock. March cuttings are the best for bedding out.

George O. Brown of Baltimore served as judge of poultry at the big Maryland fair for the 30th consecutive year.

THE WINTER COURSE AT CORNELL UNIVERSITY.

The short winter courses in the New York State College of Agriculture begin November 7th and continue until February 15th. This is a rare opportunity for young men on greenhouse ranges or engaged in any line of horticultural work to get information regarding the technical and scientific features of the subject at a low cost. The tuition is free to all residents of New York State; non-residents pay a tuition fee of \$25. Board and room may be had at a comparatively low figure. Courses are offered in nearly all branches of agricultural work. For the horticulturist there are courses in Agricultural Chemistry, Plant Breeding, Insects, Plant Diseases, Soils, Fruit, Flower and Vegetable Culture, Forestry and many other subjects. In flower growing there are special courses for both the amateur and the professional. Marked emphasis is laid on the commercial aspects of the work. A booklet giving full information regarding the courses may be had by writing Dean A. R. Mann, College of Agriculture, Ithaca, New York, or to the Department of Floriculture.

ANOTHER NEW NEPHROLEPIS.

Our cover illustration shows a new and promising "Boston Fern," which is to be introduced by F. H. Dressel, of Weehawken, N. J., this season under the name of "President Wilson." The plant is very robust and it maintains a compact and bushy habit regardless of weather conditions, and throughout the summer, when the older varieties have a tendency to grow long and lanky. The fronds have a leathery texture and the pinnae are crisp and wavy. The new comer has been awarded two certificates of merit and the verdict of New York retailers and growers who have seen it is uniformly favorable.

PUBLICATION RECEIVED.

"The Cyclamen Milte" is a useful bulletin on this notorious greenhouse pest by G. F. Mozzette. It is a reprint from Journal of Agricultural Research, published August 20, 1917, and now published in pamphlet form by authority of the Secretary of Agriculture. Every plant grower should send to the department for a copy of this bulletin.

THE S. A. F. PUBLICITY CAMPAIGN

Chairman George Asmus has appointed the following local committees in the interests of the National Publicity Campaign for Flowers:

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The trade papers have also been authorized to solicit and receive subscriptions to the fund.

The following additional subscriptions have been received since the last published report:

	For four years
Primrose Flower Shop, Ardmore, Pa.	\$5.00
Florists' Exchange, N. Y. City	50.00
Albany Florists' Club, Albany, N. Y.	
(for one year)	25.00
Otto Rice, Sapulpa, Okla.	10.00
M. M. Strong, Sioux Falls, S. D.	10.00
Henry F. Michell Co., Phila., Pa.	100.00
Henry R. Comley, Boston, Mass. (for three years)	20.00
S. Knudson, Boulder, Colo.	10.00
Mitchell's Flower Store, Waterville, Me.	10.00
By Emil Schloss:	
Alfred T. Bunyard, N. Y. City	100.00
Al. Warendorf, N. Y. City	25.00
J. P. Klausner, N. Y. City	5.00
Lion & Co., N. Y. City	50.00
Wertheimer Bros., N. Y. City (for one year)	100.00
At New York Florists' Club Meeting:	
A. J. Guttman, N. Y. City	25.00
F. W. Wagenfohr, Mt. Vernon, N. Y.	10.00
By H. C. Neubrand:	
John N. Champion & Co., New Haven	25.00
By R. C. Kerr:	
F. J. Fillmore, St. Louis, Mo.	5.00
Chas. Beyer, St. Louis (for two years)	20.00
Bergstermann Floral Co., St. Louis, Mo.	25.00
W. H. Hurst, St. Louis (for two years)	15.00
Margaret Eggeling, St. Louis, Mo.	25.00
Wm. Schray & Sons, St. Louis, Mo.	25.00
New York Florists' Club (for one year)	1000.00
Florists' Telegraph Delivery (for one year)	1500.00
Ph. Breitmeyer, Detroit (for one year)	25.00
(The Window Contest Prize.)	

Total \$3220.00
JOHN YOUNG, Secy.

October 13, 1917.

Echoes

What One of Them Has to Do With S. A. F. Advertising.
By L. W. C. TUTHILL.

Despise not echoes. Sometimes they accomplish more than the original noise.

The original noise in this case was at Detroit—The echo at Boston.

The noise was the F. T. D. Convention. The echo was heard in Patrick Welch's office last Monday afternoon. It happened while I was there talking with him about the proposed national advertising that the S. A. F. is engineering for the big boosting of the florist business. *That means YOUR business.*

Mr. Welch turned to me suddenly and said "There's been too much talking about advertising and too little doing about it. If the growers and retailers would talk less themselves and let their money do more talking the S. A. F. would have \$50,000 in the advertising fund before November first."

Which set me thinking thoughts about the F. T. D. meeting. There was a lot of talking done. But a lot more of doing.

It was the dingiest convention the florist business has ever known. And money had its talk. It wasn't a victrola record doing the talking for it either. It was just plain cold cash talk to the tune of almost \$13,000.

Do you get the echo?

There are 15,000 growers and retailers in the country. There is another 2,000 in the various lines allied to the industry.

If each one of these 17,000 gave so little as \$3 apiece there would at once be \$54,000 to start those page ads. in the Saturday Evening Post telling ten million people to buy flowers.

But the 17,000 won't contribute their \$3. In this first campaign it's more than likely that 2,000 will have to pay the way of the other 15,000.

That's why Joseph Heacock started off the list at New York with \$500. Whose is paying for you?

Are you a sayer or a doer?

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

Following is a list of the awards in the competitive classes of the vegetable show of which an otherwise detailed report appeared in our issue of October 15.

Brussels sprouts, 1st, James Donald; 2d, Andrew K. Rogers; 3d, Geo. C. McDonald. Beans, green string, 1st, Jas. Donald; 2d, W. N. Craig; 3d, W. N. Craig. Beans, wax string, 1st, Geo. C. McDonald; 2d, T. W. Little. Beans, pole lima, 1st, Edward Parker. Beans, dwarf lima, 1st, Geo. C. McDonald; 2d, T. W. Little; 3d, Wm. McGillivray. Beans, yellow eye, shelled, 1st, Wm. Tilton; 2d, W. H. Golby; 3d, Geo. C. McDonald. Beans, prolific tree, shelled, 1st, W. H. Golby; 2d, Wm. Tilton; 3d, A. K. Rogers. Beets, 1st, Edward Parker; 2d, J. F. Madden; 3d, John L. Smith. Swiss chard, 1st, W. N. Craig; 2d, Edward Parker. Cabbages, white, 1st, Wm. Thatcher; 2d, Robert M. Rhynd; 3d, Wm. Tilton. Cabbages, red, 1st, A. K. Rogers; 2d, David L. Fiske; 3d, W. N. Craig. Cabbages, Savoy, 1st, Wm. Thatcher; 2d, Wm. McGillivray; 3d, R. M. Rhynd. Cauliflowers, 1st, Wm. McGillivray. Carrots, long, 1st, Edward Parker. Carrots, short, 1st, Edward Parker; 2d, W. N. Craig; 3d, T. W. Little. Celery, Paris golden, 1st, James Donald; 2d, R. M. Rhynd; 3d, J. F. Madden. Celery, white plume, 1st, Wm. McGillivray; 2d, James Donald. Celery, any other variety, 1st, Edward Parker; 2d, James Methven. Corn, white, 1st, Geo. C. McDonald; 2d, J. F. Madden; 3d, W. N. Craig. Corn, yellow, 1st, John L. Smith; 2d, Wm. Tilton. Corn, field, 1st, Wm. Tilton; 2d, Frederick Cave; 3d, James Donald. Cucumbers, 1st, W. N. Craig; 2d, T. W. Little. Egg plant, 1st, Edward Parker; 2d, Wm. McGillivray; 3d, W. N. Craig. Fennel, 1st, Frederick Cave; 2d, W. N. Craig. Kohlrabi, 1st, James Methven; 2d, Frederick Cave; 3d, Frederick Cave. Leeks, 1st, Wm. McGillivray; 2d, Frederick Cave; 3d, Edward Parker. Lettuce, cabbage, 1st, Edward Parker; 2d, Wm. McKenzie; 3d, J. F. Madden. Lettuce, cos, 1st, Wm. McKenzie; 2d, Frederick Cave. Mushrooms, 1st, J. F. Madden. Onions, Danvers, 1st, J. L. Smith; 2d, A. K. Rogers; 3d, D. L. Fiske. Onions, Ailsa Craig, 1st, Wm. McGillivray; 2d, Frederick Cave; 3d, T. W. Little. Onions, other yellow, 1st, Wm. McGillivray; 2d, Edward Parker; 3d, A. K. Rogers. Onions, red, 1st, J. L. Smith; 2d, W. N. Craig; 3d, A. K. Rogers. Okra, 1st, Wm. McGillivray; 2d, C. O. Childs; 3d, Jas. Donald. Parsnips, 1st, W. N. Craig; 2d, C. O. Childs; 3d, Wm. McGillivray. Peppers, 1st, Wm. McGillivray. Parsley, 1st, W. N. Craig; 2d, J. L. Smith; 3d, W. N. Craig. Peas, 1st, T. W. Little. Potatoes, Green Mountain, 1st, Wm. Tilton; 2d, Frederick Cave; 3d, J. F. Madden. Potatoes, any other white, 1st, Wm. Tilton; 2d, Jas. Donald. Potatoes, red, 1st, Wm. McGillivray; 2d, W. H. Golby; 3d, C. O. Childs. Pumpkins, 1st, T. W. Little; 2d, W. N. Craig; 3d, W. N. Craig. Radishes, 1st, Edward Parker; 2d, Geo. C. McDonald; 3d, W. N. Craig. Salsify, 1st, W. N. Craig; 2d, Edward Parker; 3d, James Donald. Shallots, 1st, Wm. McGillivray; 2d, W. N. Craig. Spinach, 1st, W. N. Craig; 2d, Frederick Cave; 3d, W. N. Craig. Squash, Hubbard, 1st, D. L. Fiske; 2d, J. L. Smith; 3d, A. K. Rogers. Squash marrow, 1st, D. L. Fiske; 2d, W. N. Craig. Squash, delicious, 1st, A. K. Rogers; 2d, D. L. Fiske. Squash, vegetable marrow, 1st, James Donald; 2d, James Donald; 3d, W. N. Craig. Squash, any other, 1st, W. N. Craig; 2d, Frederick Cave. Tomato, 1st, Wm. McGillivray; 2d, James Donald; 3d, Geo. C. McDonald. Tomato, small fruited, 1st, W. N. Craig. Turnip, yellow, 1st, Wm. McKenzie; 2d, W. N. Craig. Turnip, white egg, 1st, W. N. Craig. Turnip, any other, 1st, Edward Parker. Herbs, 1st, W. N. Craig. Collection of vegetables, 1st, W. N. Craig; 2d, T. W. Little. Collection salad plants, 1st, W. N. Craig. Any other variety vegetable, 1st, J. L. Smith; 2d, Frederick Cave. Scotch kale, 1st, D. L. Fiske; 2d, W. N. Craig; 3d, R. M. Rhynd. 12 De Lue's Giant Corn, 1st, F. S. De Lue; 2d, W. N. Craig; 3d, James Donald.

MEETINGS NEXT WEEK.

Monday, Oct. 22.

Florists' and Gardeners' Club of Rhode Island, Swartz Hall, Providence, R. I.
Gardeners' and Florists' Club of Baltimore, Florists Exchange Hall, Baltimore, Md.

Tuesday, Oct. 23.

Newport Horticultural Society, Newport, R. I.
Tarrytown Horticultural Society, Tarrytown, N. Y.

Wednesday, Oct. 24

Oyster Bay Horticultural Society, Oyster Bay, N. Y.

Friday, Oct. 26.

Connecticut Horticultural Society, County Bldg., Hartford, Conn.
Monmouth County Horticultural Society, Red Bank, N. J.
Pasadena Horticultural Society, Pasadena, Calif.
People's Park Cottage Gardeners' Association, Paterson, N. J.

Saturday, Oct. 27.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.

Reports of merit to John L. Smith and W. R. Thornhill. Silver cup for 12 varieties vegetables to Wm. McGillivray. Cut glass bowl for 6 varieties vegetables to W. N. Craig. Cut glass bowl for salad collection to W. N. Craig. Silver medal offered by State Board of Agriculture for winner of most points in competitive classes, W. N. Craig.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Report of Committees.

Exhibited at Philadelphia, Oct. 6, by George Fountain, Wilmington, Del. Var. Delaware (Advance x Unaka); color, pink; Inc. Jap.; com. points, 85.

Exhibited at New York, Oct. 6, by E. W. Fengar, Irvington, N. J. Var. Bronze Unaka; color, bronze; sport of Unaka; Inc. Jap.; com. points, 86.

CHAS. W. JOHNSON, Secy



CARL HAGENBURGER,
President Cleveland Florists' Club

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

Public notice is hereby given that Abraham L. Miller, Jamaica, N. Y., offers for registration "Primula malacoides Townsendii"—

Primula Malacoides Townsendii, originated with James Duthie of Oyster Bay, Long Island. Compact growth, prolific bloomer, individual flowers as large as a twenty-five cent piece. Color bright lilac pink.

Also Christmas Joy Pepper (Capsicum), a cross between the Christmas and Bird's Eye varieties, height 12 inches, fruit cone-shaped one-half inch long, well above the foliage, color very bright red, plant very prolific.

Richard F. Gloede, Evanston, Illinois, offers for registration the following:

Delphinium hybrids:—"America."—Single flowering. Individual flowers 2½ to 3 in. Color: Top and two lower petals true blue; two side petals mauve pink shaded towards center with a true blue; very prominent white center. Strong grower, 4 to 5 ft. Foliage of extra color and texture.

"Prof. James T. Hatfield."—Double flowering. Individual flowers 2 in. Color: Unusual combination consisting of a beautiful blue, petals being streaked with pink mauve tipped with green; full white center with extended prominent brown petaloids streaked with lavender and blue. Strong grower, 4 to 5 ft.

"Mrs. Ida W. Gloede."—Double flowering. Individual flowers, 2 to 2½ in. Color: Deep azure blue overlaid with light lilac petals edged with azure blue; prominent white eye with extended white and golden petaloids. Strong grower, 4 to 5 ft.

"Grace Darling."—Extremely large single. Individual flowers 2½ to 3 in. Color: Deep forget-me-not blue, petals being shaded a beautiful violet towards center; gray eye with well extended white petaloids which are marked with gold and lilac. 4 to 5 ft.

"Evanston."—Double flowering. Individual flowers, 2 in. Color: Royal blue overlaid with a second row of petals of velvet royal purple; prominent white eye with extended petaloids of a combination of purple and bronze. 4 to 5 ft.

"Mrs. D. C. Presler."—Double flowering. Individual flowers, 2 to 2½ in. Color: ter. Color: Forget-me-not blue shaded into a light pink deepening towards center; extended white petaloids. Very vigorous grower, 4 to 5 ft.

"Randolph Culver Gloede."—Double flowering. Individual flowers, 2 to 2½ in. Color: first layer of petals a deep azure blue overlaid with a second tier which is of a delicate heliotrope pink; prominent white center. 5 to 6 ft.

"Miss Gertrude Lane Mogee."—Double flowering. Individual flowers, 2 to 2½ in. Color: Beautiful sky blue interwoven with heliotrope pink; dark tan center; prominent white eye with white and lavender petaloids. 4 to 5 ft.

"Mr. Richard F. Gloede."—Single flowering. Individual flowers, 2 to 2½ in. Color: A beautiful dark sky blue mingled with a light proportion of dainty lavender; very prominent loosely formed petaloids which have a combination of pink, brown and yellow spreading themselves over the entire flower as it expands. 4 to 5 ft.

"Mrs. Cody Hoops."—Semi-double flowering. Individual flowers, 2 to 2½ in. Color: True blue overlaid with lilac livid; brown eye; petaloids lavender with cream edges. 4 to 5 ft.

"Little Bob."—Single flowering of medium size. The flowers, however, are produced almost from the bottom of the plant. Color: A most pleasing blue with a very prominent eye of a dainty lavender and white; three extended white petaloids containing a dark golden spot. Very finely cut foliage of dark texture.

"Mr. Charles Speed."—Semi-double flowering. Individual flowers, 2 to 2½ in. Color: A dainty blue; second layer of petals inflamed with lavender; gray eye with prominent petaloid with a combination of

color of white, yellow, brown and gold.

Any person objecting to the registrations or to the use of the proposed names is requested to communicate with the Secretary at once. Failing to receive an objection to the registrations, same will be made three weeks from date.

JOHN YOUNG, Secy.

October 6th, 1917.

CLEVELAND FLOWER SHOW.

Shipment of Exhibits.

H. P. Knoble, chairman of the General Committee of the Cleveland Flower Show, called a special meeting for Monday October 15th, of all the committeemen in charge of the various departments of the show work.

One of the most important things decided upon was to appoint special representatives in each of the large shipping centers for the purpose of working out detail with the express companies and railroads regarding the best train for exhibitors to take and, more important, the arrangements with the express companies for special car service so that all exhibits will reach Cleveland before 8 A. M., on the morning of November 8th, when the Chrysanthemums will be staged and again November 9th, for Roses and Carnations. The following men have been appointed in the different districts:

Boston, Mass., Patrick Welch, E. Allan Peirce, Waltham, Mass., New York, N. Y., John Young, Alex. J. Guttman, of Guttman & Raynor, Inc.; W. A. Sperling, of Stump & Walter Co., Philadelphia, Pa., E. J. Fancourt, Adolph Earenwald, Fred Cowperthwaite, Pittsburgh, Pa., Mr. Clark, of Pittsburgh Cut Flower Co.; Mr. McCallum, of the McCallum Co., Columbus, Ohio, The Livingstone Seed Co., Cincinnati, Ohio, Chas. E. Critchell, Indianapolis, Ind., O. E. Steinkamp, Chicago, Ill., J. Michaelson, of E. C. Aming Co.; J. C. Vaughan, Fred Leutschlager, Lake Forest, Ill., F. Kuehnie, Lake Geneva, Wis., A. J. Smith, St. Louis, Mo., J. J. Bencke, Milwaukee, Wis., Holton & Hunkel, Detroit, Mich., Robt. Rahaley, of Michigan Cut Flower Co., Buffalo, N. Y., Wm. F. Kasting Co., S. A. Anderson, W. J. Palmer, Rochester, N. Y., Geo. B. Hart, Toronto, Ont., G. M. Geraghty, of J. H. Dunlop Co., Special, Samuel Seligman, New York, Walter Cook, rep. Stump & Walter Co.

They have all been asked to obtain as soon as possible the time of leaving for express from each city and announce this to both the private and commercial growers in their district and also spread this information through the trade papers before the show.

The serious congestion of express matter in the east was discussed and if there are similar congested conditions at the time of shipping exhibits to Cleveland it was suggested that exhibitors plan on reserving Pullman drawing rooms and then load all exhibits in the Pullman instead of using the express car, thus assuring the arrival of all exhibits on the same train with the exhibitors.

NEW YORK FLORISTS' CLUB.

The meeting of this Club on Monday evening, October 8, was a real "bummer." No less than one hundred and fifty members being present. Visitors were: E. Allan Peirce, Waltham, Mass.; Louis J. Reuter, West-erly, R. I.; Prof. E. A. White, Ithaca, N. Y.; J. C. Vaughan, Chicago; S. S.



Embassy Building at West Park, Pittsburgh, Pa. James Moore, Supervisor.

Pennock, Philadelphia, and F. E. Rockwell, Doyleston, Pa. There was a lively debate on the proposition to make a Club subscription of \$1,000 to the S. A. F. National Publicity Fund, the result being a standing vote in favor. The visitors were called upon for addresses and all acquitted themselves nobly. Various regular and special committees made interesting reports on past and proposed future doings. Resolutions were adopted and committees appointed on recent deaths of members or friends of the Club.

A number of interesting exhibits were made on which the awards committee reported as follows: Chas. H. Totty, chrysanthemums, October King, October Herald, Queen Mary and Early Singles, highly commended; E. W. Fengar, Chrysanthemum Bronze Unaka; Geo. W. Crawbuck Co., Chrysanthemum Chrysolora; George Schlegel, Dahlia Mrs. George Schlegel, pink seedling, preliminary certificate. An invitation was received from the Buffalo Florists' Club asking the Club to meet with them in November.

AMERICAN ROSE SOCIETY.

The following rose has been offered for registration in the American Rose Society by The Montgomery Company, Incorporated, Hadley, Massachusetts. Unless objections are received within two weeks from the publication of this registration, it will be accepted:

Name, "Boston"; class, Hybrid Tea; parentage, Mrs. George Shawyer and a Montgomery seedling.

Description: Habit of plant, very vigorous; character of foliage, abundant, round and medium green; freedom of growth and hardness, free grower, long, erect stems, flower medium size and full to centre; color, one-toned medium pink; form, globular; fragrance and bud, decidedly fragrant; petalage, average 75 petals; freedom of bloom and lasting quality, very free bloomer and good keeper.

This rose is similar to Mrs. George Shawyer, but superior in that it is a deeper one-toned pink; is much more fragrant and a freer and stronger grower.

E. A. WHITE, Secy.

MASSACHUSETTS HORTICULTURAL SOCIETY.

The nominating committee of the

Massachusetts Horticultural Society announces today the following list of candidates for the various offices of the Society to be filled at the annual meeting, November 17:

President Richard M. Saltonstall.

Vice-President (for two years)—Charles S. Sargent.

Trustees (for three years)—Thomas Allen, Walter Hunnewell, Charles W. Moseley, Thomas Roland.

Delegate to State Board of Agriculture (for three years)—Samuel J. Goddard.

Nominating Committee—John S. Ames, Robert Comeron, Thomas Roland, Edwin S. Webster, E. H. Wilson.

In accordance with the by-laws of the Society two weeks are allowed for further nominations should any be desired.

WM. P. RICH, Secy.
Horticultural Hall, Boston.

OBITUARY.

G. Pappas.

Gust. Pappas, of Chicago, died on Tuesday, October 16, at the Presbyterian Hospital in that city after an illness of only two days. Mr. Pappas was born in Greece in 1876, coming to this country when a young man. Like so many of his nationality he allied himself with the florist's business and was counted among the successful ones. He was a member of the Alpha Floral Co., of Des Moines, Ia., for many years, which interest he sold recently and after the death of Geo. Economopolus of the Alpha Floral Co. of Chicago, he made his home in Chicago. He was a member of the Alpha Floral Co., of this city, at the time of his death. Mr. Pappas leaves two sisters and a brother who is a florist in Terre Haute, Ind.

John H. Hale.

John Howard Hale, nurseryman, member of the Connecticut Public Utilities Commission, one of the foremost peach growers in the United States and former president of the American Pomological Society, died at his home in South Glastonbury on Friday morning, October 12.

John Howard Hale was born at Glastonbury, November 25, 1853. He received his early education in the public schools of Glastonbury, and while there laid the foundation of that splendid executive ability which was always apparent in all his long

Winter-Flowering Sweet Peas Giant Spencer Varieties

The best that can be procured for winter-flowering under glass

Five Good Californian Varieties

EARLY SNOWFLAKE. Large pure white. $\frac{1}{4}$ oz. 75c., $\frac{1}{2}$ oz. \$1.25, lb. \$2.00.
EARLY SPRING MAID. Beautiful cream pink. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.
EARLY MELODY. Soft rose pink. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.
EARLY SONG BIRD. Pale pink. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.
EARLY HEATHER BELL. Rich mauve, changing to lavender. $\frac{1}{4}$ oz. 40c., $\frac{1}{2}$ oz. 75c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00, lb. \$12.00.

Six Splendid Australian Varieties

(Concord Spencer Types)
CONCORD PINK. Beautiful delicate pink.
CONCORD CRIMSON. Fine ruby red.
CONCORD LAVENDER. Light lavender blue.
CONCORD WHITE. Large pure white.
CONCORD SALMON. Soft salmon pink.
CONCORD BLUE. Dark purple blue.

Prices of Concord varieties:
 Per pkt. (50 seeds) 40c., 5 pkts. for \$1.75.

YARRAWA MOST POPULAR ROSE PINK
 $\frac{1}{4}$ oz. 40c., oz. 75c., $\frac{1}{2}$ lb. \$2.25, lb. \$8.00

STUMPP & WALTER CO., 30-32 Barclay St., NEW YORK CITY

CARNATIONS

FIELD GROWN

British Triumph, Washington, White Wonder, \$6.00 per 100.

Lady Bountiful, Lady Northcliff, Pink Winsor, \$6.00 per 100, \$50.00 per 1000.

MISCELLANEOUS PLANTS

Ready for Immediate Sales

	Size Pot	100
POINSETTIAS	2 $\frac{1}{4}$ -in.	6.00
SMILAX	2 $\frac{1}{4}$ -in.	3.00

SEND FOR CATALOGUE

Wood Brothers

FISHKILL, N. Y.

and successful business life. In addition to having served as head of the American Pomological Society, he was also a former president of the American Nurserymen's Association and of the Connecticut Pomological Society. As horticultural agent in the 11th United States census, he initiated special government investigations, notably in horticulture, semi-tropical fruit, nut and seed farms. He had written much on fruit growing and general farming and was for 15 years agricultural editor of the Hartford Courant, and for 12 years an associate editor of the Farm Journal of Philadelphia.

Mr. Hale is survived by his wife, by a brother, George H. Hale of South Glastonbury, and by five children.

Henry Jerolaman.

Henry Jerolaman, widely known among horticulturists, died on October 10 at his home in Hilton, N. J., at the age of eighty-two years. He began strawberry culture in early life, and amassed a fortune in the business. Many years ago Queen Victoria wrote a personal letter to him after eating some of his berries, bought by the Duke of Kent, which she addressed as follows: "Henry Jerolaman, Strawberry King, United States of America, Province of New Jersey."

REMEMBER!

If it's a Hardy Perennial or so called Old Fashion Flower worth growing, we have it in one shape and another the year round. We have the largest stock in this country, all Made in America, and our prices—

Why say more here. Send for our Wholesale price list of varieties and benefit from the opportunities this affords you. Address

R. W. CLUCAS, Mgr.

Palisades Nurseries, Inc.,

SPARKILL, N. Y.

IF in need of RELIABLE NURSERY STOCK

that is well grown, well dug and well packed

Send to the **BAY STATE NURSERIES**

Wholesale and Retail

NORTH ABINGTON, MASS.

HILL'S EVERGREENS

BEST FOR OVER HALF A CENTURY.
 Small, medium and large sizes supplied.
 Price list now ready.

THE D. HILL NURSERY CO.

Evergreen Specialists. Largest Growers in America.
 BOX 415, DUNDEE, ILL.

BOBBINK & ATKINS

Nurserymen, Florists
 and Planters

RUTHERFORD, NEW JERSEY

Specialists in Specimen Stock for Landscape Work

Harry Rhododendrons, Azaleas, Boxwoods, Hollies and a Complete Line of Coniferous Evergreens.

WRITE FOR PRICES

Cottage Gardens Nurseries, Inc.

EUREKA : : CALIFORNIA

When writing to advertisers kindly mention **HORTICULTURE**.

THE National Nurseryman

The oldest and best established journal for nurserymen. Circulation among the trade only. Published monthly. Subscription price, \$1.50 per year. Foreign subscriptions, \$2.00 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

National Nurseryman Pub. Co., Inc
HATBORO, PA.

Nursery Stock

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

ROBERT DYSART

CERTIFIED PUBLIC ACCOUNTANT

Simple methods of correct accounting especially adapted for florists' use.

BOOKS BALANCED AND ADJUSTED

40 STATE ST. BOSTON

Telephone Main 22

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, F. W. Belgiano, Washington, D. C.; First Vice-President, Wm. G. Semlett, Baltimore, Md.; Second Vice-President, David Burpee, Philadelphia, Pa.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.

Philadelphia Seed News.

H. F. Michell Co. have a realistic popcorn exhibit in their store window. The little Jap girl popping it over a fire attracts crowds and brings business. Of course, the only Philip is the artist as usual.

Henry A. Dreer, at 714 Chestnut street, commenced their second week of closed doors to the public on the 15th inst. They have made a good dent in the avalanche but are not nearly caught up yet, notwithstanding strenuous day and night work and closed doors.

I. N. Simon & Son have their new store at 438 Market street well under way with new and complete fixtures and expect to be open for counter trade there very soon. The arrangements, furnishings, etc., are very attractive and make this new seed store a credit to the city.

Notes.

Beatrice, Neb.—The German Nurseries & Seed House has changed its name to Sonderegger's Nurseries & Seed House.

Ames, Ia.—The Blair-Harper Seed Co., of Aurora, Ill., have opened a branch office here, with T. D. McGlenahan, a graduate of the Iowa State College, in charge.

CATALOGUES RECEIVED.

Fraser Nursery Company, Huntsville, Ala.—Annual Wholesale Price List, for Nurserymen and Dealers only.

Weeber & Don, New York.—Fall Bulb Catalogue. Quite comprehensive and well illustrated. Clara Butt Darwin tulips has the place of honor on the title page.

A. T. Boddington Co., New York.—Boddington's Garden Guide, Autumn, 1917. Bulbs for fall planting and winter forcing, for the gardener and the commercial florist grower are here listed in quantity and select assortment. Darwin tulips and trumpet narcissi adorn the cover pages.

R. & J. Farquhar & Co., Boston.—Autumn Catalogue for 1917. We think this is the most attractive fall catalogue ever sent out by Messrs. Farquhar. Paper and typographical work are excellent and there is nothing to indicate any war curtailment. The illustrations are fine and the cover shows a glorious field of Lilium regale on front and pan of tulips on back. Besides the fall bulbs there is an interesting list of choice hardy shrubbery and border plants for fall planting.

WE OFFER FOR IMMEDIATE DELIVERY
THE FOLLOWING VARIETIES OF

French-Grown Hyacinths

FIRST SIZE, FOR EARLY FORCING;

L'Innocence, White	Lady Derby, Pink	Moreno, Pink
Gertrude, Pink	La Victoire, Red	Grand Monarque, Blue

Azaleas cannot be shipped from Belgium according to recent cable reports.

The bulbs are specially grown in France to be forced early and are excellent for pots.

GIVE THEM A TRIAL

Write for prices to **P. O. Box 124, Hoboken, N. J.**

BRANCH OFFICE OF

C. J. SPEELMAN & SONS
Sassenheim, Holland

LAGARDE & SPEELMAN
Ollioules, Var, France

PAPER WHITE GRANDIFLORA

13 c m and up (1000-1200 per case)	\$13.50 per 1000
15 c m and up (900	16.00 per 1000

White Roman Hyacinth

12 c m and up (1700-1800 per case)	\$36.00 per 1000
13 c m and up (1700	40.00 per 1000
13 c m and up (1400-1450 per case)	42.50 per 1000

Just arrived, in perfect condition

Cash with order for less than 5 cases, or from those who have not established credit with us.

McHUTCHISON & CO.

The Import House

95 Chambers Street, NEW YORK

LEONARD'S SEEDS

and SEED SERVICE

FOR SALE BY

LEONARD SEED COMPANY, Chicago, Ill.

"Seeds with a Lineage" All Varieties
Thoroughly tested at our trial grounds, Raynes
Park, London, England. Send for Catalogue
CARTERS TESTED SEEDS, Inc., 166 Chamber of
Commerce Bldg., Boston, Mass.

FRUIT SHOW AT BOSTON.

The premium list is out for the special fruit exhibition of the Massachusetts Horticultural Society, The New England Fruit Show and the American Pomological Society, to be held in Horticultural Hall, Boston, Wednesday to Sunday, October 31 to November 4, inclusive, 1917. The prizes offered by the Massachusetts Horticultural Society amount to \$1450, besides medals and certificates. Those offered by the New England Fruit Show total over \$1200. A big turnout of the big growers of New England is looked for.

Marblehead, Mass.—The cries of a youngster as he climbed the back yard fence of the Jonathan T. Brown estate, Atlantic avenue, attracted the neighbors. The boy scooted across

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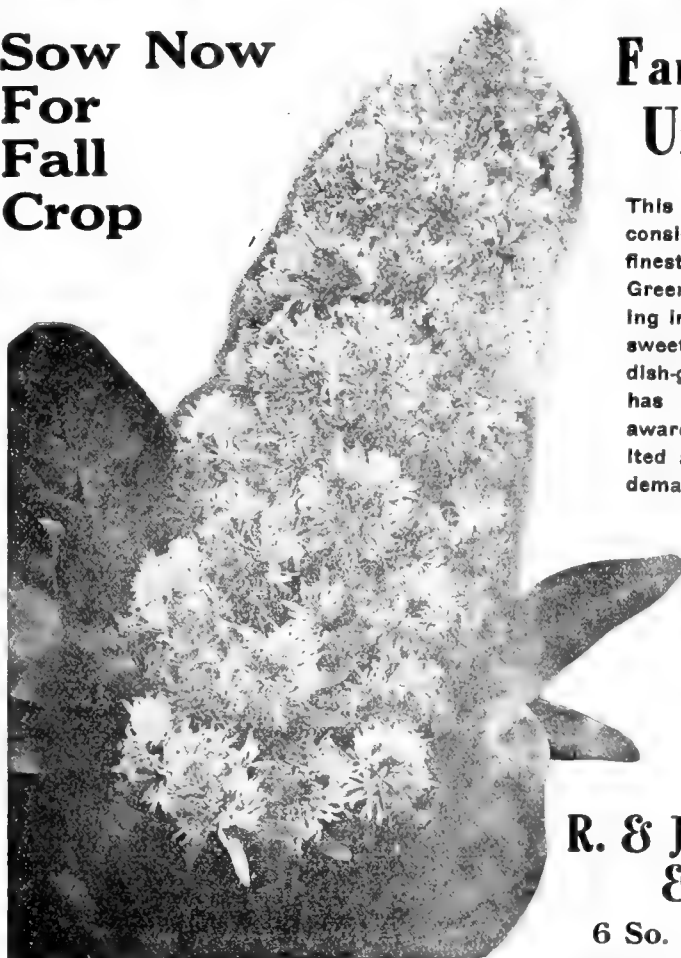
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Buffalo, N. Y.—Chas. H. Vick, Rochester.

New York—F. Gomer Waterer, Bagshot, Eng.

Corfu, N. Y.—George B. Hart, Walter Salmon and Clark Vick, Rochester, N. Y.

Philadelphia—A. Lee Don, Weeber & Don, N. Y. City; D. Carmichael of J. M. Cullough's Sons, Cincinnati, O.

Pittsburgh—R. Shoch, Philadelphia; A. G. Keroes, Climax Manufacturing Co., Castorland, N. Y.; Milton Alexander, New York; Mr. Snyder, repr. Edwards Folding Box Co., Philadelphia, Pa.

Boston—H. A. Bunyard, Nitrate Agencies Co., New York; Louis Hanfling, Jr., Russin & Hanfling, New York; L. W. C. Tuthill, New York; W. E. Fischer, supt. McComick Estate, Lake Forest, Ill.

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Theodore H. Townsend, gardener for Forrest F. Dryden, at Bernardsville, N. Y., accompanied by Mrs. Townsend, has been spending the past week visiting his parents in Elmira, New York.

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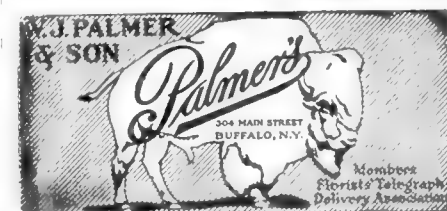
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	BOSTON (Oct. 19)		ST. LOUIS Oct. 8		PHILA. Oct. 15	
Roses						
Am Beauty, Special	25.00	to 30.00	25.00	to 35.00	25.00	to 30.00
" " Fancy and Extra	6.00	to 20.00	15.00	to 20.00	12.00	to 20.00
" " No. 1 and culls	3.00	to 8.00	5.00	to 10.00	3.00	to 10.00
Russell, Euler, Mock	2.00	to 8.00	3.00	to 15.00	3.00	to 15.00
Hadley	2.00	to 5.00	5.00	to 8.00	3.00	to 10.00
Arenberg, Hoosier Beauty	2.00	to 5.00	2.00	to 4.00	3.00	to 8.00
Ward	1.00	to 4.00	2.00	to 6.00	2.00	to 6.00
Killarney, Radiance, Taft	1.00	to 4.00	1.00	to 4.00	2.00	to 8.00
Ophelia, Sunburst, Hillingdon	2.00	to 10.00	2.00	to 8.00	2.00	to 10.00
Carnations	2.00	to 4.00	1.00	to 3.00	1.00	to 3.00
Cattleyas	40.00	to 60.00	to 60.00	40.00	to 60.00	to 60.00
Dendrobium formosum		to 50.00	to 50.00	50.00	to 60.00	to 60.00
Lilies, Longiflorum	10.00	to 12.00	to 12.50	8.00	to 10.00	to 10.00
Lilies, Speciosum	2.00	to 4.00	to 4.00	4.00	to 6.00	to 6.00
Lily of the Valley	8.00	to 12.00	to 8.00	5.00	to 10.00	to 10.00
Snapdragon	1.00	to 3.00	6.00	to 10.00	2.00	to 6.00
Gladioli	1.00	to 4.00	2.00	to 3.00	3.00	to 4.00
Violets	.50	to .60	to .75	to .25	to .50	to .50
Chrysanthemums	8.00	to 20.00	12.50	to 15.00	8.00	to 25.00
Sweet Peas	1.00	to 3.00	to 1.00	to 1.00	to 2.00	to 2.00
Marguerites	1.00	to 3.00	to 1.00	to .50	to 1.00	to 1.00
Gardenias	20.00	to 25.00	to 1.00	to 1.00	to 1.00	to 1.00
Adiantum	1.00	to 1.25	to 1.00	to .50	to .75	to .75
Smilax	8.00	to 12.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	35.00	to 50.00	25.00	to 35.00	25.00	to 50.00

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ROSES, VALLEY and
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A Specialty

WHOLESALE
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CUT FLOWERS

Flower Market Reports

BOSTON The influx of chrysanthemums and rapidly increasing cut of roses has had a depressing effect upon market values of these two leading items and prices are lower, with indications of still further descent as stock increases. There is not much material in the markets other than roses and chrysanthemums, and the carnations and lilies are selling at strong figures. Outdoor flowers are finished for the season, apparently. Cattleyas are coming in more freely.

The market is in very short supply. Every flower of good quality sells and then there is not enough to go around. Some of the largest shipping houses reports all large orders of the past two weeks have had to be cut, but it is expected that in another week this will be changed. The passing of asters and gladioli after the big supply for months, and the slowness with which carnations and chrysanthemums are coming have left the market in its present condition. Roses are more plentiful than one week ago and they are used in place of carnations when substitution is allowed. A few pink chrysanthemums are being cut, but the most of the stock is still in yellow. American Beauties are of good quality and the supply about equals the demand. Few outdoor flowers remain. Cosmos from southern Illinois have arrived in considerable quantity but sell slowly. Oak leaves have sold well and look very attractive for fall decorations. Sprenger and other green is still supplied by local growers.

Business is good but short. Shipping business is excellent. Roses are in fair supply and are finding a waiting market. Chrysanthemums are coming along nicely but as yet can not be classed as plentiful. However, fair quantities in yellow, white and pink are available. Lily of the valley are now sent into the market regularly. Last week was the first time they were available here for some time.

A serious frost struck Northern Ohio the latter part of the first week in October. Nearly all outdoor stock was destroyed, many growers losing large acreages. All big dahlia growers lost their stock. Reports from down state show that the frost there was much more severe than along the lake. Below 30 miles from the lake, that is around Akron, Canton and Youngstown, outdoor stock was frozen solid. The retail market was seriously affected. Indoor crops will be later than usual this year on account of late planting due to shortage of labor. On Tuesday of this week a number of downtown stands closed several hours early having sold out their stock. Chrysanthemums are coming in and are popular and high in price. Carnations are scarce. White roses are in special demand.

Tendencies are towards a lower scale of prices as time passes and the high tide of chrysan-



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Franklin & St. Paul Sts.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Oct. 15		CHICAGO Oct. 8		BUFFALO Oct. 1		PITTSBURG Oct. 8	
Roses								
Am. Beauty, Special.....	25.00	to 35.00	30.00	to 40.00	25.00	to 30.00	25.00	to 30.00
" " Fancy and Extra.....	15.00	to 20.00	20.00	to 30.00	20.00	to 25.00	.....	to 20.00
" " No. 1 and culls.....	6.00	to 15.00	4.00	to 10.00	3.00	to 5.00	10.00	to 15.00
Russell, Euler, Mock.....	5.00	to 12.00	3.00	to 20.00	3.00	to 12.00	6.00	to 15.00
Hadley.....	.....	.....	.....	.....	5.00	to 10.00	.....	.....
Arenberg, Hoosier Beauty.....	4.00	to 8.00	3.00	to 10.00	5.00	to 10.00	.....	.....
Ward.....	4.00	to 6.00	4.00	to 10.00	3.00	to 5.00	4.00	to 10.00
Killarney, Radiance, Taft.....	4.00	to 8.00	3.00	to 10.00	2.00	to 8.00	4.00	to 10.00
Ophelia, Sunburst, Hillingdon.....	4.00	to 10.00	.....	.....	3.00	to 8.00	4.00	to 10.00
Carnations.....	.....	3.00	2.00	to 3.00	1.00	to 3.00	2.00	to 3.00
Cattleyas.....	.....	75.00	60.00	to 75.00	50.00	to 60.00	.....	75.00
Dendrobium formosum.....	.....	.....	.....	.....	.....	.....	.....	.....
Lilies, Longiflorum.....	.....	12.50	8.00	to 12.00	8.00	to 10.00	10.00	to 12.00
Lilies, Speciosum.....	.....	.....	.....	.....	3.00	to 6.00	.....	.....
Lily of the Valley.....	.....	7.00	6.00	to 8.00	7.00	to 8.00	.....	.....
Snapdragon.....	4.00	to 6.00	.....	.....	1.00	to 3.00	2.00	to 4.00
Gladioli.....	.....	4.00	.....	.....	2.00	to 4.00	.....	4.00
Violets.....	.....	.75	.....	.75	.50	to .75	.....	.75
Chrysanthemums.....	15.00	to 35.00	15.00	to 25.00	10.00	to 20.00	12.00	to 30.00
Sweet Peas.....	.....	1.50	.....	.....	.....	.....	.....	.....
Marguerites.....	.....	1.00	.....	.....	.....	.....	.75	to 1.00
Gardenias.....	.....	.....	.....	.....	.....	.....	.....	.....
Adiantum.....	.....	1.00	.....	1.00	1.00	to 1.25	.75	to 1.25
Smilax.....	.....	15.00	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
Asparagus Plu. & Sprea. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	30.00	to 50.00

them crop draws nearer. Roses are a strong feature on all sides and carnations are also coming forward into the light that beats upon 28th street. Violets are a part of the regular daily diet now and the same is true of cattleyas and quality is excellent on both but demand lags. The dahlia influx is over for this year.

Fewer complaints PHILADELPHIA have been received during the past week or ten days as to express service. This may indicate that deliveries have been reasonably prompt and an improvement on the recent congested conditions; or it may be that the appeals of the wholesalers for the co-operation and sympathy of their customers under trying condi-

tions has had some effect. Whatever the reason the commission men are in a slightly more cheerful mood on this subject, which we are very glad to see. The general run of business has been fairly satisfactory. Roses have sold better and the slight glut reported in our last report has largely disappeared. Carnations have improved a little in quality, but they are still mostly short-stemmed and in short supply. But they find a market, as there is a good call for them even if the quality is not yet up to the usual standard for this season of the year. Asters are over and dahlias about got their finishing touch on the nights of the 12th and 13th. Orchids continue a strong feature as to quan-

(Continued on page 435)

H. BAYERSDORFER & CO. Manufacturers and Importers

1129 Arch St. PHILADELPHIA, PA.

Fall Novelties Now On Display

New Show Rooms Added

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

H. E. FROMENT

Wholesale Commission Florist
Choice Cut Flowers
New Address, 148 West 28th St., NEW YORK
Telephones: 1208, 1201, Madison Square.

HENTZ & NASH, Inc.

Wholesale Commission Florists

55 and 57 West 26th Street
Telephone No. 755
Farragut New York

WM. P. FORD

Wholesale Florist

107 W. 28th Street, NEW YORK
Telephone 5335, Farragut.
Call and inspect the Best Establishment
in the Wholesale Flower District.

GEO. C. SIEBRECHT

WHOLESALE FLORIST

108 WEST 28th ST
CONSIGNMENTS SOLICITED
PHONE 608 FARRAGUT NEW YORK
609

JOHN YOUNG & CO.
WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY
Consignments Solicited
Phone Farragut 4336

THE KERVAN COMPANY

Ferns, Mosses, Wild Smilax, Galax,
Lemonthoe, Palmetto, Cycas, both fresh
cut and prepared.
Laurel, Hemlock, all Decorative Evergreens.
(1902) Tel. 119 W. 28 St., New York
(1903)

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
8 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone 5870 Farragut.

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WHOLESALE FLORIST

24 Stone St., Rochester, N. Y.

RIEDEL & MEYER, Inc.

Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

P. J. SMITH

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.

TELEPHONE 2281 FARRAGUT 131 West 28th St., NEW YORK CITY
1089

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US
Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, - - NEW YORK
Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the

BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.

PAUL MECONI — Wholesale Florist — NEW YORK

Telephone Nos. 3864 and 8364 Madison Square

57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER MORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists
111 West 28th Street, NEW YORK

Phones: Farragut 558, 2036 and 2037

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Oct. 13 1917		First Half of Week beginning Oct. 15 1917	
American Beauty, Special	15.00	to 30.00	15.00	to 30.00
" " Fancy and Extra	10.00	to 12.00	10.00	to 12.00
" " No. 1 and culls	2.00	to 6.00	3.00	to 6.00
Russell, Euler, Mock	2.00	to 8.00	3.00	to 8.00
Hadley	2.00	to 8.00	2.00	to 8.00
Arenberg, Hoosier Beauty	1.00	to 4.00	2.00	to 4.00
Ward	1.00	to 4.00	1.00	to 4.00
Killarney, Radiance, Taft	1.00	to 4.00	1.00	to 4.00
Ophelia, Sunburst, Hillingdon	1.00	to 8.00	2.00	to 8.00
Key	2.00	to 12.00	2.00	to 12.00
Carnations	2.00	to 5.00	2.00	to 5.00

GROWERS' CUT FLOWER COMPANY
WHOLESALE FLORISTS

129 West 28th Street

Tel 6237 Farragut
3563

E. J. VAN REYPER, Mgr.

WALTER F. SHERIDAN

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York
Telephone—3532-3533 Madison Square

Frank H. Traendly

Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797, 798, 799 Farragut

Consignments Solicited

JOSEPH S. FENRICH

WHOLESALE FLORIST

LILIES EVERY DAY

51 W. 28th Street, New York
Telephones, 420-421-422 Mad. Sq.

HERMAN WEISS

WHOLESALE FLORIST

Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

130 West 28th Street, Tel. Farragut 634,
NEW YORK.

Flower Market Reports

(Continued from page 433)

tity and quality and are selling well at reasonable prices. Chrysanthemums are now showing a good pace and pretty soon they will be the dominating feature. Violets, both single and double, are also worthy of mention and are showing up in good shape.

The market is not in a very brisk condition. Stock has shortened up considerably. All that remains in outdoor flowers is a few asters and dahlias. Roses are reaching us in fair quantities and sell good. Ophelia, Wards, Sunbursts, September Morn and Scott Key are about the best sellers on this market. Lilies are not over plentiful and are advancing in prices. Chrysanthemums are slow in reaching us and the demand is becoming larger. Carnations are almost out of the question. Dahlias sell good. A quantity of African marigolds are seen. Violets are selling easier.

Cool weather has stiffened prices. Mrs. Russell roses are looking fine and are selling well. Most all outdoor flowers are done. There are a few straggling dahlias still on the market.

CLUB AND SOCIETY NOTES.

The October meeting of the Rhode Island Horticultural Society was held in the Public Library, Providence, on Wednesday, October 17, 1917. Miss Mary E. Cutler, Winthrop Gardens, Holliston, Mass., lectured on "Gardening for Women."

The St. Louis Florist Club met Thursday, 11th, at Joe Hauser's greenhouses at Webster Grove. About 40 members were present. Reading of the minutes and general business and the Club adjourned and enjoyed a substantial lunch. George Hartmann was elected a member.

The Third Annual Dahlia Show of the Maplewood (N. J.) Dahlia Society, which was held at the Field Club on last Saturday, proved a great success. The flowers on exhibition were among the finest ever shown in Maplewood. The exhibit began at 2 p. m. and lasted until 9.30, when dancing was enjoyed until 12 p. m. The proceeds were donated to the Red Cross.

The third edition of C. S. Harrison's Peony Manual is nearly exhausted and Mr. Harrison writes that he is preparing to issue a fourth edition next spring, much enlarged and improved. He plans to start on October 27 for California where the bleak Nebraska winds cannot reach him.



BOXWOOD SPRAYS

The Classic Decorative Material for all occasions.

We will have ready for shipment November 1st and will receive daily consignments of both Dwarf and Tree variety of Fancy Sprays of Virginia Boxwood. Obtain our free sample before you buy. Let us quote you on your requirements.

PITTSBURGH CUT FLOWER COMPANY

116-118 Seventh Street, PITTSBURGH, PA.

J. K. ALLEN

SERVING THE TRADE AS WHOLESALE COMMISSION FLORIST FOR OVER THIRTY YEARS.

I have room now for a few more regular shippers of good flowers. I have a steady market for all varieties. Make a start now for the coming season.

118 West 28th St.

NEW YORK

TELEPHONES
Farragut 167 and 3058

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Oct. 13 1917		First Half of Week beginning Oct. 15 1917	
Cattleyas	35.00	to 40.00	25.00	to 35.00
Dendrobium formosum	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum	4.00	to 6.00	5.00	to 8.00
Lilies, Speciosum	2.00	to 3.00	2.00	to 5.00
Lily of the Valley	3.00	to 8.00	3.00	to 8.00
Snappdragons	1.00	to 2.00	1.00	to 2.00
Gladioli	.50	to 2.00	.50	to 2.00
Asters	.40	to .60	.40	to .60
Chrysanthemums	12.00	to 30.00	12.00	to 30.00
Sweet Peas	.15	to .50	.15	to .50
Marguerites	.50	to 1.00	.50	to 1.00
Gardenias	20.00	to 30.00	20.00	to 30.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, & Spreng (100 bunches)	10.00	to 20.00	10.00	to 20.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

Address Your Shipments to

UNITED CUT FLOWER CO. Inc.

111 W. 28th St., NEW YORK

D. J. Pappas, Pres.

CONVENTION VISITORS WELCOME

HENRY M. ROBINSON CO. OF NEW YORK WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

J. J. COAN, Inc.

HIGH CLASS FLOWERS.

ALL THE STANDARD STOCK.

THE PRODUCT OF THE LEADING GROWERS.

NOVELTIES AND UNUSUAL VARIETIES A SPECIALTY.

Consignors of Good Stock for the New York Market Please Call or Write

115 W. 28th Street

NEW YORK

TELEPHONES
Farragut 5413 or 5891

Established 1888

Tel. 551 Farragut

GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New England Grown Novelties.

FLOWER GROWERS

I have a good wholesale market for Pansies, Violets, Carnations and all other stock of quality.

Regular Shipments Solicited

B. S. SLINN, Jr.

55 and 57 W. 20th Street. NEW YORK

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Decorative Glassware, Growers and Florists' Requisites

Beechwood Heights Nurseries

Importers and Growers of

ORCHIDS

Cut Flowers of All the Leading Varieties in their Season.

THOMAS YOUNG, Jr., Proprietor
ROUND BROOK, N. J.

Local and General News

BOSTON.

The next annual meeting of the stockholders of the Boston Flower Exchange takes place at Young's Hotel, on Saturday, Oct. 27th, at 6 p. m. This being the 25th anniversary of the organization of the Flower Market, the directors fulfilling a popular demand, have decided to observe it as a Ladies' Night. The Lotus Male Quartette and a reader will furnish entertainment.

All through the dahlia season Fottler Fiske Rawson Co. have used their large show window for a display of dahlia blooms each in a separate vase and conspicuously labeled with the name of the variety. The finest of the modern introductions in peony flowered, decorative and cactus varieties are shown and the many interested spectators that crowd about them furnish good proof of the public value of the display.

NEW YORK.

Maurice Fuld has leased the store at 203 W. 41st street for a seed and bulb business.

A letter from William Plumb, who is now president of a new oil company in Cuba tells us that their machinery is all set up and they expected to commence drilling their first well by October 12.

The awards committee of the New York Florists' Club, after its visit to South Orange last week to inspect the sensational new Dahlia Mandaianum as growing, unanimously de-

CLASSIFIED DIRECTORY

Advertisements in this Department, Ten Cents a Line, Net

BULBS

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK BRANCH, 8-10 Bridge St.

CARNATION PLANTS

CARNATIONS—Harry Fenn and Lawson.
\$5.00 per 100. White and Pink Enchantress.
Pink Columbia, Matchless, \$6.00 per 100. Cash.
CHAS. H. GREEN, Spencer, Mass.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell.
Stock For Sale.
JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DAISIES

Daisies (Bellis) Monstrosa, white and pink, also Longfellow and Snowball. Thinly sown field-grown seedlings, \$2.50 per 1000, \$11.50 per 5000, cash.

BRILL CELERY GARDENS,
Kalamazoo, Mich.

GLASS

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 1815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

cided to award it a first-class certificate.

The Torrey Botanical Club celebrated its semi-centennial anniversary with a series of conferences beginning on Thursday, October 18, and running through to Saturday. Thursday's session was held in Schermerhorn Hall, Columbia University. Friday's meeting was at the Bronx Botanical Garden and Saturday's meeting at the Brooklyn Botanical Garden. The Torrey Botanical Club is the oldest botanical organization in America, and was founded in 1867 in honor of Dr. John Torrey, for many years professor at Columbia College. Dr. N. L. Britton, head of the New York Botanical Garden, served as chairman on the committee of the semi-centennial.

BUSINESS TROUBLES.

Columbus, Ga.—J. F. Willis, seedsman, Broad street, has filed a petition in bankruptcy.

Party would like to Organize a Gardeners' Investment Association

Consisting of one hundred members, with capital stock of Ten Thousand Dollars, divided into one hundred shares, for the purpose of growing cut flowers for New York market. For full particulars, write "G. D." care HORTICULTURE.

NURSERY STOCK

SELLING OUT OF NURSERY STOCK.

We are now offering at our nurseries a fine lot of standard varieties of Ornamentals, extra large as well as medium. We wish to call special attention to our blocks of fine Barberry Thunbergii in two sizes, 18 to 24 inch and 2 to 3 feet. This is splendid stock, well branched and extra bushy. If you are interested in this, or any other lines, write for prices and list of stock. THE LIVINGSTON SEED CO., Columbus, Ohio.

MISCELLANEOUS STOCKS

Aspidistras, green and variegated, from 6 in. to 10 in. pots. Adiantum Cuneatum from bench, large clumps. Viven variegata, heavy field plants. Write for prices.

WILLIAM CAPSTICK,
Auburndale, Mass.

PANSY PLANTS

Pansy Plants, Strong and stocky. Strains unsurpassed by any for Size of Bloom or Colors. \$2.50 per 1000, \$11.50 per 5000. Cash. Satisfaction or your money back.

BRILL CELERY GARDENS,
Kalamazoo, Mich.

PEONIES

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

ROSES

Roses, Canas and Shrubs. THE CONARD & JONES COMPANY, West Grove, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid pot and orchid baskets always on hand. LAGNE & HURRELL, Summit, N. J.

VINES

Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Pleasant Nursery, New Rochelle, N. Y.

WIRE WORK

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

HELP WANTED BT

WANTED A ROSE GROWER

To work under foreman, on modern place five miles from Boston. State age, experience and wages expected, to

THOMAS ROLAND
NAHANT, MASS.

Salesman Wanted

Wholesale cut flowers, opportunity for advancement for good live man.

S. S. PENNOCK CO.

1612 Ludlow St. PHILADELPHIA

WANTED—By the E. C. Ludwig Floral Company, 710 East Diamond Street, North Side, Pittsburgh, Pa., an experienced florist, either single or married, for night work. Answer in person or in own handwriting, stating experience.

WANTED two experienced gardeners to work on a private estate near Buffalo. Wages \$60.00 per month with room and board. Apply with references to Head Gardener, LOCHEVAN, Derby, N. Y.

SITUATIONS WANTED

SITUATION WANTED as Superintendent or Head Gardener on private place. English, married, one child, life experience in fruit, flowers, vegetables, greenhouses, trees, shrubs, farm crops, livestock. Best of references. Address H. C., care HORTICULTURE.

USE
WIZARD
TRADE BRAND MARK
CONCENTRATED PULVERIZED
MANURE

Pulverized or Shredded
Cattle Manure
Pulverized
Sheep Manure

The Florists' standard of uniform high quality for over ten years. Specify: **WIZARD BRAND** in your Supply House order, or write us direct for prices and freight rates.
THE PULVERIZED MANURE CO.
34 Union Stock Yard, Chicago



NIKOTEEN
For Spraying
APHIS PUNK
For Fumigating
Ask Your Dealer For It
NICOTINE MFG. CO
ST. LOUIS

PLAY SAFE—USE

VITRIO**Insecticides and Fungicides**

YOU can't afford to take chances on the Insecticide or Fungicide you use. You have to be sure that it will do what you bought it to do. Use the Vitrio Brand Kind and be sure. Every Vitrio Brand Insecticide and Fungicide notches right up to the rigid quality Standard of the Nitrate Agencies Co. Every ingredient guaranteed.

Send for prices on any or all of those listed below.

VITRIO-BORDO (Paste)
Specially compounded Bordeaux Mixture.

VITRIO-BORDO (Powdered)
Same as above in Powdered form.

ARSENATE OF LEAD POWDER
30-33% Arsenic Oxide.

ARSENATE OF LEAD PASTE
15% Arsenic Oxide.

PARIS GREEN (Pure) VITRIO
Combination of our Special Bordeaux and Arsenate of Lead.

BLUE VITRIOL 99% PURE
Large Clear Blue Crystals.

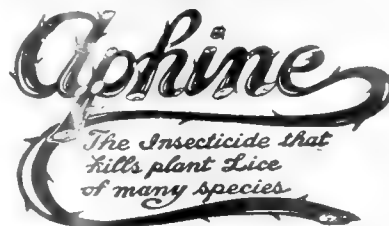
FISH OIL SOAP
(Usually sold as "Whale Oil Soap")

Send for our Spraying Calendar.

INSECTICIDE DEPARTMENT
NITRATE AGENCIES



103 PEARL ST. COMPANY NEW YORK



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

FUNCINE

For mildew, rust and other blights affecting flowers, fruits and vegetables.

Quart, \$1.00; Gallon, \$2.50.

VERMINE

For eel worms, angle worms and other worms working in the soil.

Quart, \$1.00; Gallon, \$2.50.

SOLD BY DEALERS.

Aphine Manufacturing Co.
MADISON, N. J.



Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard Insecticide will prevent ravages on your crops by insects.

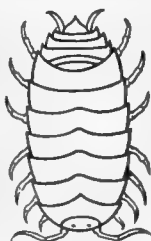
Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses. Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c.; Pint, 40c.; Quart, 75c.;
1/2 Gallon, \$1.25; Gallon, \$2; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50.
Directions on package.

LEMON OIL COMPANY

Dept. S. 420 W. Lexington St., Baltimore, Md

SOW BUGS versus SLUG SHOT

After reading the article headed "An Army of Sow Bugs," in the Review for May 10, it occurred to me that the growers whose stocks have been attacked by Sow Bugs might be interested in the remedy I used successfully in exterminating these pests some time ago. I had a good crop of Sow Bugs in my



Carnation house and asked Mr. Benjamin Hammond, of Beacon, N. Y., for a good exterminator. Mr. Hammond recommended one of his preparations—SLUG SHOT—and told me to dust it between the plants, under the benches and along the walks. I did so and the results were gratifying. The bugs were cleaned out in short order, and I certainly recommend SLUG SHOT to every Florist who finds these bugs in his houses. ALEXANDER A. LAUB, Florist.

New Hamburg, N. Y., May, 1917.

HAMMOND'S SLUG SHOT was first tested against SOW BUGS at Nyack, N. Y., in 1885, and it holds good

HAMMOND'S PAINT AND SLUG SHOT WORKS

Beacon, N. Y., U. S. A.

SOLD BY SEED DEALERS OF AMERICA

CHICAGO.

Miss Edna Franenfelder has been ill but is now able to visit the market again.

W. B. Clark, representing C. W. Ward, Eureka, Calif., is here this week. Mr. Clark says that the successful cultivation of the azalea in this country is assured.

The sudden death of Gust Pappas, one of the members of the Alpha Floral Co., of Chicago, came as a complete surprise to the trade Tuesday, Oct. 16. Though not in the store, he was well known here where he has been constantly since he withdrew from the company in Des Moines, Ia.

Further notice will be found on another page.

The down town store windows are completely transformed this week with the magnificent chrysanthemum blooms that both wholesalers and retailers are getting from California. One retailer reports three shipments of one thousand each within a week and all sold readily, prices reaching as high as ten dollars per dozen for the best.

Rochester, N. Y.—H. B. Stringer is confined to his home with a bad cold. E. C. Kaelber has an attractive window display of buddleia, violets and Sunburst roses.



Use N. A. C. Products for more profitable results. Send for prices on our complete list of Fertilizers and Insecticides.

HORTICULTURAL DEPT.,
Harry A. Bunyard, Mgr.

NITRATE AGENCIES CO.
106 Pearl St., New York

Est. 1768

Pet Makers for a
Century and a Half**HEWS****STRONG
RED
POROUS****POTS**

Inc. 1904

World's Largest
Manufacturers**Standard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.**Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**PHILADELPHIA.**

Edward Towill has on exhibition this week in the Penneck Bros. window on Chestnut street some fine blooms of the new rose Mrs. Stotesbury. He is quite enthusiastic about this new comer and feels that it will prove a strong rival to Killarney and Maryland. It is a strong grower and heavy producer.

Arnold K. Arnold head of the Floral Nurseries Co., has made a hit with the souvenir which his company is giving out in celebration of the opening of their city store. It is a beautiful file and memo. cabinet, an ornament and necessity for any desk. From now on we will have to call them the "peerless, fearless, faultless, Floral Nurseries."

Charles E. Meehan at No. 5 So. Mole street is now thoroughly equipped and doing an active wholesale flower business—handling some of the best products of the vicinity. In addition to the veteran Sam Lilly he has associated with him another good old timer, Ed. Dornheim who has had wide experience and is well and favorably known to the trade.

Following up our news item of last week we are informed that the Edgely Greenhouses are operating under the official title: "Floral Nurseries; Growers and Wholesalers." They make a specialty of roses, gardenias and plumosus, and their city establishment at No. 9 So. Mole street, which opened on the 15th, inst., under the management of Wm. Earnshaw, will handle their own production, which has the highest reputation all over the country; and in addition, the specialties of many other growers, thus widening the field so that every retailer may find the best that is going along the whole line.

PITTSBURGH.

Miss Reberca Shaffer has taken the position of bookkeeper for G. P. Weaklen.

Michael Kronis has returned from New York, where he spent a week in the interest of his growing business.

Norbert Huttingen, formerly with G. P. Weaklen, has entered the employ of Mr. Kronis at his Alpha Flower Shop, East Liberty.

The Pennsylvania State College has arranged an innovation for the coming winter in a course for farmers, the tuition of which will be free.

Mrs. P. A. Wolfert has succeeded N. Shelby Griffith as manager of the Fox Flower Shop. Mr. Griffith, who opened the shop last spring, is now in charge of the family greenhouse at Monessen.

Julius W. Ludwig is chairman of the local committee for the S. A. F.

national publicity campaign. Fred Burki and James Moore, of the West Park, are also members of the committee.

L. F. Post, vice-president of the I. R. Scott Seed Company, has returned from a two months' business trip throughout Pennsylvania and western New York. He reports business throughout much better than a year ago.

The vacation force of Norman S. Grubbs, agriculturist of Allegheny County, has been disbanded. Willard S. Hager, of Canton, Pa., and Gilbert S. Watts, who had charge of the Car-rick district, have returned to their studies at Penn. State College. Mr. Watts is the son of Dean Watts of the State College School of Agriculture. George T. Broadbent returned to Philadelphia, to enter the employ of W. Atlee Burpee & Co., while H. T. Coleman, who supervised the Westinghouse gardens, has been retained. S. A. Nicholson, a New Jersey man, who was stationed in the Wilkesburg district, has been drafted into the National service. R. R. Chambers, who had the McKeesport work, has since entered the state of matrimony with a North Side young woman, his business location as yet being unannounced.

CLEVELAND.

F. R. Williams, of the Cleveland Cut Flower Co., left for a trip up the lakes as far as Duluth, Tuesday, October 9.

Since the opening of school, delivery boys have been scarce according to S. H. Berthold, of the Cleveland Plant & Flower Co.

W. Q. Potter reports the arrival of fine double violets from the Hudson River stock. They are coming through without the usual delays.

J. W. Kolisky, in charge of the Flower Shop, in the Taylor Arcade, claims to be the prize war gardener of the trade in Cleveland and shows in evidence a turnip weighing six and one-half pounds.

Cleveland and Akron florists were present at the grand opening by A. B. Barber, of his new Youngstown branch, which took place Wednesday, October 10. Among those present were George Bate, of the Cleveland Cut Flower Co.; John Frehtus and J. W. Kolisky, of the Cleveland stores, and Mr. Cope, in charge of the Akron branch. The new store is at 33 East Federal street, in the center of the city, and is attractively finished in silver oak with fixtures to match.

Carl Bennett, florist at 1406 East 105th street, surprised a man early Tuesday morning, October 9, trying to

start his automobile. Instead of disturbing him Bennett secured his revolver and fired three shots. The man fell once, but recovered himself and escaped. Police believe he was hit and searched hospitals and doctors' offices for him, but without avail. Auto stealing has become so common in Cleveland that citizens no longer parley with the thugs, but shoot to kill on sight. Bennett found twelve master keys for magnetos in the car.

Cleveland florists were much interested in the news of the catching of the alleged murderer of F. C. Bartels, superintendent of the J. M. Gasser Co. greenhouses. The man under arrest is Julius Kish, aged 20 years, a former employee of the greenhouse, who was identified by strings found in the pocket of a cast-off sweater. The strings were identical with those used in the greenhouse to tie up rose bushes. Confronted with this evidence Kish broke down and made a written confession stating that his aim was to get the \$700 pay roll from the superintendent's house with a view to paying back money he had borrowed to finance a patent door lock.

ST. LOUIS.

Grimm & Gorly have the decorations for the Laundry Men's Convention at the Planters' Hotel.

J. P. Gadd has erected a house 10 x 100 in the county and is growing chrysanthemums, mostly late varieties. Following these he will grow sweet peas.

The chairmen of the local committee for the National Flower Show have already started planning for the work. Headquarters have been established at 307 Commercial Building in which all committee meetings will be held. The office will be in charge of Secretary J. J. Beneke.

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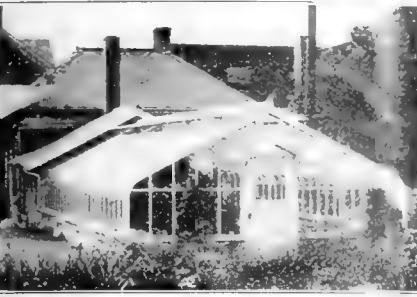
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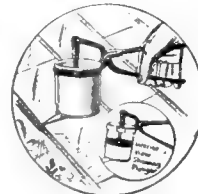


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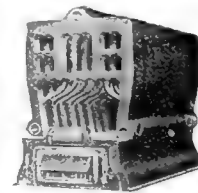
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Torn from the New York Sun. Issue of Sept. 20th, 1917

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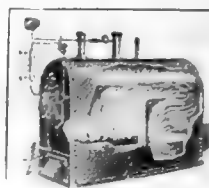


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Any communications addressed to HARRY A. BARNARD, HOTEL ALBERT, NEW YORK, until end of October will have prompt attention.

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Bedding Plants and Roses

ROBERT CRAIG CO. ROSES, PALMS,

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Iris, Liliums, Lycoris, ETC.

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Flowerfield, L. I., N. Y.

Specialists in Specimen Stock for
Landscape Work

Hardy Rhododendrons, Azaleas, Boxwoods,
Hollies and a Complete Line of Coniferous
Evergreens.

WRITE FOR PRICES

Cottage Gardens Nurseries, Inc.
EUREKA : : : CALIFORNIA

CLEVELAND FLOWER SHOW.

Meetings at Cleveland Flower Show.

There will be two important meetings of national organizations held in Cleveland, November 8th and 9th.

Another meeting of the Chrysanthemum Society of America will be held at 8 p. m. on Thursday, November 8th, in the club room of Gray's Armory, the same building in which the Flower Show is to be held.

The semi-annual or fall meeting of the American Rose Society will be held on Friday, November the 9th, late in the afternoon; the exact hour to be announced next week.

Entertainment.

The Entertainment Committee in charge of Chas. Graham, E. A. Bause, and Frank Ritzenthaler, chairman, requests that all out-of-town florists register at Gray's Armory on their arrival at Cleveland.

There will be no set program on the first day except the Bowling Match between Detroit and Cleveland florists. This will be the first leg of the inter-city match, the prize for which will be a valuable trophy cup. There will be individual prizes for the winning team, also for highest individual score and a number of others.

Banquet.

The annual banquet will be held in The Hollenden, Friday evening, November 9th, at 7.30 p. m. sharp. Mr. Ritzenthaler announces that a splendid program is being prepared which will include a strong speaker and the best musical talent in Cleveland.

Chas. Graham of this committee states that the menu will be all that a hungry man desires, because Manager Jim Thompson has promised to go the limit.

Florists desiring to inspect greenhouses either on private estates or commercial establishments will be provided with autos for this purpose, these being in charge of S. N. Pentecost, chairman of the Reception and Information Committee.

Ladies' Entertainment.

A special committee of Cleveland Women Florists' Club is being appointed to take good care of the large number of out-of-town women florists and wives of florists that are expecting to attend the Cleveland Show.

Shipping Exhibits.

Exhibitors are asked to address their exhibits—Care Cleveland Flower Show, Gray's Armory, Cleveland. There will be a special show representative at each of the depots, with a special truck at hand for the purpose of handling all the incoming express as soon as unloaded from the cars, assuring the exhibitor of no delay after the arrival of their exhibits.

The exhibitors are requested to select an express train that will arrive in Cleveland before 8 a. m. on the morning of November 8th, for Chrysanthemums, and on November 9th for Roses and Carnations. All exhibits are requested to be staged completely by 11 o'clock a. m.

M. A. Vinson, show manager, has been receiving many requests for copies of the Official Premium Lists. Over 2500 copies have been mailed. A copy may be secured by addressing him, 402 Leader Building, Cleveland.

CHRISTMAS BERRIED PLANTS.



Photo By A. L. Miller

Ardesia, Skimmia, Solanum and "Bird's Eye" Pepper.

A large party of florists have promised to come from Toronto, through the efforts of J. H. Dunlop, who is organizing the party.

H. P. KNOBLE,

Gen'l Chairman of Show Committees.

Invitation to Rotarian Florists

All Rotary Florists are extended an invitation by Rotarian H. P. Jones of Jones-Russell Co., Cleveland, and Rotarian H. P. Merrick, Mgr., Lord & Burnham Cleveland office, to attend the weekly Rotary lunch in Cleveland, Nov. 8th, which is the opening day of the Fifth Annual Cleveland Flower Show. Messrs. Jones & Merrick will appreciate hearing from all Rotary Florists and others in the florist trade of their intentions of being in Cleveland on dates mentioned.

WHERE THE HADLEYS GROW.

An unobstructed stretch of 35,000 sq. ft. of Hadley roses in luxuriant health, under a range of five big ridge-and-furrow houses makes a spectacle which in some respects has no equal either in this country or abroad, and it is no wonder that so many visitors from all sections make A. S. Burns, Jr.'s establishment at Spring Valley, N. Y., their mecca and its product their inspiration. A corresponding range houses nearly 150,000 rubrum lilies in all stages of growth from benches in full flower down in a regular gradation to bulbs that have just begun to break through the soil. There are two large sections of houses and the foregoing are but two of the items in one section of this noted rose and lily growing place. Soil, water and pure air are all contributory to Mr. Burns' success and these are supplemented by good judgment, foresight and a rare quality of cultural skill. Mr. Burns has recently purchased a beautiful home about a mile from the greenhouses with fifty-three acres of farm and woodland, and a full complement of live stock, including an extensive poultry outfit.

THE LATE J. A. VALENTINE.

In the death of Mr. J. A. Valentine, of Denver, we have sustained a loss of one of the greatest men in our profession. Those who came in contact with him personally, found him to be a man of sterling qualities; he was a true friend, and a man who was always glad and willing to give us the benefit of his valuable experience and good judgment. And those of us whom he has assisted in the time of trouble, realize that we have lost one of our best friends in the profession, for he was a man that was always ready and willing to help others. Only a few days before his death, a number of us received letters from him, in which he was trying to help the helpless. He was a great civic worker and a good Rotarian.

He is the man that gave us the Florists' Telegraph Delivery. This was a great idea and advancement for the Retail Florists. I feel that the Florists' Telegraph Delivery members should establish a Memorial to his memory.

Just thirty days previous to the fatal accident, Mrs. Kerr and I spent the day in the mountains with him. Mountain driving was his great delight and he was a most careful driver and knew every foot of the road, and I can hardly conceive of how an accident could happen. May long live the memory of this great and good man.

R. C. KERR.

Houston, Texas.

Commencing with the first issue in November, 1917, advertising rates in "Horticulture" will be slightly advanced as shown on the new rate cards now ready—this as an unavoidable result of the war revenue law providing for higher postage and other special taxation on publications. This step was taken months ago by other horticultural weeklies.

HORTICULTURE

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Hollanders stranded

The disagreements between the United States and the Netherlands governments as regards ships and cargoes has resulted in great embarrassment and in some instances very serious privations for some three hundred Hollanders who, stranded in New York, find it impossible to get transportation home although the docks all along the North River are crowded with idle Dutch vessels. The Nieuw Amsterdam was expected to sail two weeks ago but now clearance papers have been refused. A committee of the stranded Hollanders of which Jac Smits, well-known in the American horticultural trade is chairman, has addressed an open letter to President Wilson asking that he interest himself to help them to get transportation home. We are very sorry for our Dutch friends in their plight and hope a way may soon

be obtained to provide the needed relief. We recall that many Americans were in similar straits in Holland in August, 1914, and it is a matter of history that the Dutch, through the aid of these refugees, sent them into their own homes and provided for them until means could be found for their return to the United States.

The bulb situation to date

The bulb situation, as a whole, is not so roscate in hue as it appeared when the news first came of the arrival of the bulb-laden Holland-America Line boats at their dock in Hoboken, and all uncertainty as to the supply for this season seemed apparently at an end. But it appears now that thousands of cases of bulbs are still on the docks, scattered among the stupendous accumulations of freight which has turned the shipping front into a scene of unparalleled chaos and the tracing out and assembling of goods called for on any one invoice, together with the required formalities looms up as a hopeless proposition. Apparently some of the importers, especially those that are far inland have concluded to abandon their goods on account of the lateness and the probabilities of the bulbs now being heated. Custom house brokers are not disposed to advance freight and duties on shipments coming "f. o. b. New York" and are waiting to see the cash from the buyers before they make any move to get the goods and it seems probable that a considerable quantity of bulbs both French and Dutch will eventually find their way to the auction houses to be sold for whatever they will bring. Those who did get their shipments promptly and in good condition have good reason to congratulate themselves.

Publicity fund progress

The Flower Publicity Fund campaign seems to be making very good progress according to the returns. The next step in the undertaking will be the spending of the money collected. As to how this may best be done and the maximum results attained with the minimum of expenditure, there are naturally many and varied opinions but all will agree that the spending of this money cannot be too closely safeguarded, as upon this money cannot be too closely safeguarded, as upon the results of this first season may depend the future of the publicity movement. It is well to keep in mind that flower advertising is something quite out of the line of experience of the general advertising agent; also to some of these gentlemen, accustomed to talk of hundreds of thousands and even millions of dollars, the florists' little \$50,000 will look pretty insignificant. If the actual work could be entrusted to men who have some knowledge of the peculiar conditions and experience as to the special needs of the horticultural industries we believe it would be distinctly an advantage, especially in the early stages of the movement. Some solicitude has been expressed that the drive should get under way in time to affect the demand for flowers as Christmas gifts but this question of increasing sales for any special day is of only secondary consequence as compared with the great proposition of the development and expansion of the public demand for plants and flowers every day in the year. In fact, the Christmas business normally gives the florist trade about all they can do and do it creditably and at prices that will not discourage the buying of flowers for that occasion as has been the case too often in the past. However, one has only to scan the list of names of the committees, to whom has been entrusted the planning of methods and scope for the campaign, to feel assured that the interests of the contributors and the trade in general have been placed in competent hands.

CLUBS AND SOCIETIES

NASSAU COUNTY HORTICULTURAL SOCIETY.

The annual dahlia show of this society was held in Pembroke Hall, Glen Cove, N. Y., on Tuesday October 9th. It was notable for the number of exhibitors and the excellent quality of the flowers. The principal prize winners were J. Kirby, Wm. Noonan, P. W. Popp, Jos. Robinson, John W. Everitt, John F. Johnson, Thos. Henderson, F. O. Johnson, Thos. Twigg, R. Jones, H. Gaut, J. Mastroianni, Jas. McCarthy, and Geo. Platt, J. Kirby won the Dreer silver cup for the best collection of dahlias. John W. Everitt won permanent possession of the Townsend silver cup for the collection of out-door roses this being the third year this exhibit was awarded the honor. John F. Johnston also won possession of the silver basket given by the North Shore Garden Club. This was awarded for the third time for the best collection of out-door flowers. The Smithers silver cup for gladioli was won by P. W. Popp. Thos. Flynn was awarded 1st for table decoration, Robt. Jones 2nd and Thos. Henderson 3rd. Several special awards were made in the non-competitive classes chiefly, among them being cultural certificate to John Scheepers for a new dahlia, Gertrude Dahl, cultural certificate to W. R. Coe for collection of dahlias, honorable mention to Mills & Co. and W. J. Matheson for display of dahlias.

The regular monthly meeting of the society was held on Wednesday, October 10. Awards for exhibits were 1st Wm. Noonan for peony-flowered, decorative and cactus dahlias. Cultural certificate to Jos. Mastroianni for corn. Mr. Noonan gave a very interesting talk on the cultivation of dahlias. Robt. Jones and Thos. Twigg each offered a prize of \$5.00 to be competed for at the next meeting for the best table decoration of chrysanthemums by assistant gardeners only. Jas. Gladstone was appointed manager of the chrysanthemum show for November 1st and 2nd. Competition for our next meeting, November 14 will be on three chrysanthemums, white, three pink and three yellow. It was also agreed to hold our annual smoker at the conclusion of this meeting.

HARRY GOODBRAND, Cor. Secy.

TEXAS STATE FLORISTS' ASSOCIATION.

The fourth annual convention of the Texas State Florists' Association will be held in Waco, November 5 and 6. The date of the convention will be while the Waco Cotton Palace is in progress and there will be given ample time for all who attend the convention to also take in the Cotton Palace.

The Texas State Florists Association was organized in Waco four years ago and that city might be termed the home of the association. This is the first opportunity that we have had to

MEETINGS NEXT WEEK.

Thursday, Nov. 1.

Albany Florists' Club, Albany, N. Y.
Reading (Pa.) Florists' Association, Reading, Pa.
Southampton Horticultural Society, Odd Fellows Hall, Southampton, N. Y.

Friday, Nov. 2.

North Shore Horticultural Society, Manchester, Mass.
North Shore Horticultural Society, Lake Forest, Ill.
Pasadena Horticultural Society, Pasadena, Cal.
People's Park Cottage Gardeners' Association, Paterson, N. J.
Yonkers Horticultural Society, Yonkers, N. Y.

Saturday, Nov. 3.

Pacific Coast Horticultural Society, San Francisco, Cal.

meet there again and every florist in the state and out of the state who can possibly attend this meeting is urgently invited to do so. Headquarters will be at the state house and the convention sessions will be held at the Elks Club.

Any one who wishes to exhibit any stock or supplies will be provided with plenty of room to make such displays but are requested to immediately write to President T. J. Wolfe, Waco, stating what you will have to exhibit so he can make all necessary arrangements for you to display your goods.

L. J. TACKETT, Secy.

HORTICULTURAL SOCIETY OF NEW YORK.

The Fall Exhibition, as already announced, will be held from November 8 to 11 at the American Museum of Natural History, 77th street and Columbus avenue. The schedule, offering prizes for over \$2,300, is now ready and may be had by addressing the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City.

All those exhibiting bush chrysanthemum plants are requested to bring them in on Wednesday, November 7, so that they may be in position before the other exhibits arrive, greatly aiding the management thereby, and also thus guarding against injury which might happen if their arrival is delayed until later. The manager of the exhibition will be on hand on that date to receive exhibits.

Please send for your schedules without delay so that you may make your entries promptly. If the management can have the entries on hand before the show is arranged, much better and more artistic results may be achieved.

GEORGE V. NASH, Secretary.

CHRYSANthemum SOCIETY OF AMERICA.

Report of Committees.

Exhibited at Chicago, Oct. 15, by Elmer D. Smith & Co., Adrian, Mich. Var. Idolph; color, light pink; pompon; ex. scale 90.

CHAS. W. JOHNSON, Secy.

STAMFORD (CONN.) HORTICULTURAL SOCIETY.

The last meeting of the Stamford Horticultural Society before the big show to be held in the Armory, Nov. 2nd and 3rd, was most interesting and largely attended. Every detail of the exhibit is arranged, the different committees are well appointed and are fully alive to the necessity of quick action in order to make this the greatest Flower and Vegetable Show ever held in Stamford. The entire proceeds of this exhibition is to be devoted to the Red Cross work. This is in addition to the proceeds of the tea room. The feature of the meeting was a paper on Mushrooms, by James Foster. His hints on growing and care, together with his wonderful success, made one wish that the price of fat steaks was not so much out of reach. A very large and attractive display of dahlias was staged by A. V. Carver, supt. for Miss Valentine, of New Canaan. They received a cultural certificate. Radiance and Hoosier Beauty roses, exhibited by M. J. Quirk, supt. for Mrs. Childs, New Canaan, were highly commended. Dahlias by P. H. Radford were given a vote of thanks. A vase of beautiful Alice Stanley roses, exhibited by Alex. Geddes, supt. for Mrs. Albert Crane, received a cultural certificate. Ophelia came in for its share of admiration, exhibited by that master hand, A. Patterson, supt. for Miss Cockcroft, Saugatuck. Corn grown by James Foster was highly commended. A. Alius, supt. for J. B. Cobb, showed a fine exhibit of grapes and apples, also winter-flowering begonias and carnations. A plate of tempting raspberries from this same grower received a cultural certificate. Leaming corn and seedling dahlias, by A. Whitelaw, were highly commended. Schedules and any information about the coming show can be procured from G. B. Cannon, of the Quality Seed Store, 43 Atlantic street.

W. J. RICE, Cor. Secy.

AMERICAN ASSOCIATION OF NURSERYMEN.

Theodore J. Smith, of W. & T. Smith Co., Geneva, N. Y., has recently resigned as a member of the Executive Committee of the American Association of Nurserymen, and J. Edward Moon, of Morrisville, Pa., has been elected by the Executive Committee to fill the vacancy.

AMERICAN CARNATION SOCIETY.

Registration of New Carnations, by Evenden Bros., Williamsport, Pa.

White Pearl—Parentage, Flora Hill—Lizzie McGowan. Color, pure white. Size, 3 to 3½ inches. Vigorous grower and robust constitution. Fringed edges. Stem good and never splits.

Williamsport—Parentage, Flora Hill—Lizzie McGowan. Color, white. Size, 4½ to 5 inches. Strong, free and healthy grower. Very robust.

A. F. J. BARR, Secy.

THE S. A. F. PUBLICITY CAMPAIGN

THE NATIONAL SLOGAN.

Editor Horticulture.

Dear Sir: In behalf of the Publicity Committees of the S. A. F. & C. H. the flower growers are now on foot to nationally advertise flowers and with the knowledge that the horticultural press at all times is willing to cooperate and assist committees who are working gratuitously for the cause, I wish through your columns you would ask the trade at large to use the slogan endorsed by the committees and adopted by the Society, which is

Send Flowers—Always a Good Idea. In all or as much of their advertising literature, bill boards, etc., as possible. It is our desire to have this phrase become known to all throughout the United States and Canada. The publicity thus secured will aid materially to make effective the advertising which will be displayed in the national magazines.

The importance of this can be seen immediately and it is hoped that stationery, tags, letterheads, envelopes and flower boxes will in the future blaze with the slogan, **Send Flowers—Always a Good Idea.**

GEORGE ASMUS,

Chairman, Finance Publicity Com.

[Horticulture enthusiastically endorses the foregoing.—Ed.]

"SEND FLOWERS—ALWAYS A GOOD IDEA."

Now, Altogether—Let's Put It Over.

National Publicity for Flowers, will it pay? The answer is "yes," and it has been demonstrated and proven by the St. Valentine and Mothers' Day National Co-operative advertising campaign as inaugurated by the Chicago Florists' Club recently.

This campaign was put on for two days only, and these two days have gone down in history as the two biggest flower days in the year of 1917. Can it be done again? Yes; the demand for flowers can be increased every day in the year. It can be done effectively by national advertising, and with a minimum cost by co-operative action.

Stop and think what it means to every one in the flower business when the 100,000,000 people of our country and the millions in neighboring lands read these magic words: **"SEND FLOWERS—ALWAYS A GOOD IDEA."**

So far, many of us have been only talking, and reading about national publicity; fortunately, however, a few of our men have not been satisfied only to talk and read. They did better than that; they acted—they came across with their hard earned money.

Three cheers for the man who started it! A grower—\$500 was the amount. Three cheers for Heacock of Philadelphia! That was only the beginning—retailers, wholesalers, greenhouse builders donated—every branch

of the trade came to the front. Thus far \$20,000 have been subscribed, with the biggest part of the trade yet to be heard from. \$50,000 is required for the 1918 campaign, and you should and must help to build up this fund.

Now then, altogether let's make a united effort to raise the \$50,000 in the next two weeks, and you will be well repaid for your contribution. Act at once; fill in the subscription blank and mail it tonight to John Young, 53 W. 28th Street, New York City, New York.

Friends of National Publicity—a few words to you. Get busy; there are thousands of florists willing to contribute to this fund. Make it easy for them to do so.

The present subscription blanks demand a 4-years' contribution. Is this not a mistake? Why should any one obligate themselves four years in advance? It is not convenient to do so, and besides it is not good business, for the reason that it is a general practice to set aside advertising appropriations from year to year, which is the only practical and safest way.

It seems to the writer that annual subscription blanks should be issued, and I suggest that the committee in charge issue at once annual subscription blanks in sufficient quantities. In sending out the annual subscription blanks, let it be known and understood that if any one cares to subscribe for any number of years in advance, they may do so, and such subscription may be put on record under the years specified.

Distribute the new annual subscription blanks immediately—distribute them everywhere—send sufficient lots to each and every cut flower and supply house in the country, in order that same will be mailed to every grower and retailer.

Establish S. A. F. National Publicity booths at each and every flower show, and at each and every florists' club meeting for the balance of the year. The local chairman in charge can make the necessary arrangements in each case. Every friend of publicity will be willing to work for the good of the cause at flower shows and other trade gatherings. Let every one help. Why not over-subscribe this fund? It can be done. Retailers, wholesalers, growers, allied tradesmen, put forth your best efforts in behalf of the S. A. F. National Publicity Fund. United National Advertising will blaze the trail for bigger business. Act immediately, and watch results.

F. LAUDSCHLAGER.

PUBLICITY COMMITTEES.

The following committees have been appointed for Chicago and vicinity in connection with the Society of American Florists and Ornamental Horticulturists' National Publicity Campaign for Flowers:

Retail Division: O. J. Friedman, L. R. Robinson, Herman Schiller, W. J. Smyth, A. G. Chronis, H. N. Bruns, A. Lange, Wm. Graham, Geo. Wlenhoeber.

Wholesale Commission Division: Paul R. Klingsporn, H. B. Kennibott, John Michelson, August Pochmann.

Growers' Division: W. J. Kelmel, Guy French, Joseph Kobout, Nic. Wictor, Emil French, Joseph Kobout, Nic. Wictor, Emil Baetner, Peter Reinberg, C. L. Washburn, Otto Anding.

Allied Trades Division: Frank Johnson, M. C. Wright, E. L. Kurowski, A. Dietsch.

Seed Trade Division: Leonard Vaughan, chairman. Additional appointments on this committee to be announced later.

Traveling Salesmen Division: A. Miller, chairman. Additional appointments on this committee to be announced later.

F. LAUDSCHLAGER,
General Chairman.

Chairman George Asmus, of the Finance Committee reports the following additional subscriptions:

By Emil Schloss, New York: Reed & Keller, Annually for four years.	\$ 50.00
Florists' Telegraph Delivery, One Year.	1000.00
(S. A. F. Appropriation to F. T. D. for Publicity, 1917.)	
Philip Breitmeier, Annually.	150.00
(Account Auction Pochmann Bros. Co. picture at Detroit.)	
W. J. Palmer, Annually.	150.00
(Account Auction Pochmann Bros. Co. picture at Detroit.)	
Paul M. Olin, Bath, Me., Annually for four years.	25.00

Total \$1375.00

The following committees have been appointed for New York and vicinity in connection with the National Publicity Campaign for Flowers.

Max Schling, general chairman.

Retail Division, New York—Geo. E. M. Stumpp, chairman; Alex. Warendorff, Chas. H. Brown, A. T. Bunyard, A. Kottmiller, Robt. Koehne, J. B. Nugent, Leo Klein.

Brooklyn District.

W. A. Phillips, chairman; E. Dailledouze, R. G. Wilson, Hugo Jahn, W. H. Kuebler, Geo. H. Blake, George Scott, Anton Schultheis, Robert Macner.

Wholesale Commission Division.

Chas. Schenck, chairman; H. E. Froment, John R. Kervan, P. F. Kessler, W. F. Sheridan, H. C. Riedel, Paul A. Rigo, Jos. S. Fenrich, P. B. Rigby, Wm. G. Badgley, Wm. Kessler.

Growers' Division.

A. L. Miller, chairman; F. R. Piereson, H. C. Dreyer, Peter Beuerlein, Henry Weston, W. H. Siebrecht, Louis Dupuy, I. S. Hendrickson, Arnold Buchholz, John Schneider, R. T. Brown, V. S. Dorval.

Allied Trades Division.

Emil Schloss, chairman; W. N. Reed, Sydney Wertheimer, Philip Cox, W. R. Cobb, Heber Ware, E. C. Vick, J. M. Morischar, R. J. Irwin, Oscar Lion, C. H. Allender.

Seed Trade Division.

H. Langeler, chairman; A. Lee Don, W. E. Marshall, J. B. Deamud, John G. Scheepers, A. R. Kennedy, W. A. Sperling.

Traveling Salesmen Division.

Appointments on this committee to be announced later.

Greek-American Florists' Association.

D. J. Pappas, chairman. Additional appointments on this committee to be announced later.

Local and General News

CHICAGO.

Mrs. Fred Heintz, of Terre Haute, Ind., is ill at the Presbyterian Hospital in Chicago.

An injured knee has given E. J. Warren of Poehlmann Bros', office an enforced vacation, but he is now able to be back to his duties again.

J. S. Wilson, of Des Moines, Ia., is much interested in the coming flower show in his city and did some good work for it while here recently.

Five of the former employees of A. Lange are now serving their country, one having reached France, and a letter received from him states he is well.

Schiller, the florist, has fortunately disposed of his lease on the store known as the Gift Shop at 36 S. Wabash avenue, which he vacated during the summer.

Miss Alice McClevey and Ernest R. Farley were married on Oct. 20th. Both are connected with the trade and their many friends wish them a happy and prosperous life.

Fred Stielow, Sr., well-known grower at Niles Center, underwent an operation at the Columbus Hospital Saturday. Another one will follow shortly. He is reported as doing well.

At Zech & Mann's the chrysanthemums are making such a fine showing that the store looks like a flower show. All the varieties now in season are to be seen there and the stock is excellent.

The Chicago Retailers' Association has sent out requests for signatures of those in the trade, favoring the abolishing of the sale of flowers in the streets and platforms of the elevated roads.

All the troubles of the florists who had shipments on the Waaldyk were not over when the stock finally reached Chicago. There were goods without bills and bills without stocks, but the twelve carloads were at last distributed by the aid of the consular invoices.

A. F. Longren, salesman of florists' supplies, reports business in the northwest as very good. He says that florists are missing the trade the debutantes have formerly occasioned, but outside of this there is little difference in the retail trade and supplies are, as much in demand as they were last year.

Andrew J. O'Leary will open a flower store at 343 E. 47th street about Oct. 27th to be known as O'Leary, Florist. Mr. O'Leary has had a wide experience in the florists' business, having been with J. H. Small, New York and Washington for eight years and with various Chicago florists for three years.

August Poehlmann, president of the Poehlmann Bros. Co., has just returned from a week among the oil wells of Oklahoma. He has extremely interesting accounts to relate of what he saw while there and acquired a great deal of enthusiasm regarding

the opportunities that exist in that country.

H. E. Scheffle, who formerly had a retail flower store here and retired from business a year ago, suffered a very painful accident last Saturday while hunting at Pistakee Bay, Ill. While lifting his gun from the boat, it was discharged, tearing the flesh from his arm and hand. He is in the Norwegian Deaconess' Hospital where his condition is serious, but it is hoped that his arm will be saved.

The introduction of California grown chrysanthemums into this market last year is bearing fruit ten-fold this year. The retailers have found that they can get the flowers direct and save the profits of the commission men and are not slow to see the advantage. Chicago plants were a little late coming into bloom this fall and the downtown retailers had a splendid showing of the blooms from the coast, with a trade well established before the home-grown ones arrived. Strange to say, the ones from the coast are reported to be the better keepers, but this refers to early ones only.

NEW YORK.

We are very sorry to have to report that Wm. Trumpore has been obliged to go again to the hospital for treatment, this time to a private institution at 63rd street and Lexington avenue.

One of the most fetching things we have seen of late in the flower line was a big vase of lilacs, double white, in W. S. Allen's window. Mr. Allen says he got as high as one dollar a spray for some of it. It is certainly a prime novelty at this season.

Charles Millang, who has been industriously advocating the permanent discontinuance of Sunday business by the wholesale flower trade, is much pleased over the success in inducing the complete closing on Sundays of the Coogan Building in which the flower market and a number of wholesale firms are located.

We have been watching the Hadley roses from time to time as they arrived at P. J. Smith's in the morning and each day they appear to better and better advantage. There is every reason to expect that this grand crimson rose will again hold the premier position among roses in the New York market as it did last season.

Charles Thorley has purchased the five-story building at 2 East 46th street, opposite the rebuilt Windsor Arcade. According to report, which could not be authoritatively confirmed, Mr. Thorley bought it for the purpose of establishing his business there when the lease of his present establishment, at the Fifth avenue and 46th street, expires three years hence, and in time, make a gift of the outfit to his employees.

Lee, Mass.—The greenhouses at Andrew Carnegie's place are to be repaired. A. L. Peters has the contract.

BOSTON.

Charles H. Fraser, brother of John A. Fraser, florist, of Wellesley, leaves for France within a week. He is a first lieutenant in the Officers' Reserve Engineering Corps and has been training at the American University, Washington, D. C., and Camp Meade.

Samuel Sloane, a gardener living at 137 Boylston street, suffered such a severe injury to his right foot when struck by an electric car on Harvard street last Monday morning that it will be necessary to amputate it. Sloane was riding on his bicycle and turned out to avoid hitting some children and was struck by the electric car.

Boston rose growers will be particularly interested in the E. G. Hill Company's advertisement of Columbia in this issue of HORTICULTURE, for blooms of this new rose were seen by a number of them at a recent gathering of the craft and they unanimously accorded it a place in the foremost rank of all forcing roses up to the present time.

PITTSBURGH.

O. J. Parker, of Scobie & Parker, has returned from a five months' sojourn in Los Angeles, Cal., leaving his large fruit ranch in charge of his son, Joseph Parker.

Mr. and Mrs. DeForest W. Ludwig entertained with a dinner party on last Tuesday evening in celebration of the thirty-second wedding anniversary of Mr. Ludwig's parents, Mr. and Mrs. E. C. Ludwig.

Miss Eliza McKinley has resigned as head salesman for Randolph & McClements. Miss McKinley, who is one of the best known and best liked women in the trade, will be missed alike by employers, associates and patrons.

A handsome silver loving cup was awarded to the Krut Floral Co., of Butler, for the best window decoration at the recent Style Show of the progressive little city. The design was a bridal table arranged by Mrs. McGuire, formerly Miss Krut, manager of the firm.

The Blind Floral Company has just received word of the arrival of a large consignment of Holland bulbs long overdue. Edward L. McGrath, manager, and Harry P. Langhans, designer and salesman, who recently purchased the retail end of the business, located in the Empire building, have renamed it the Empire Floral Shop.

The seventeenth annual prize competition for the most beautiful lawns, flower culture, grounds, vegetable and window or porch boxes in Wilmerding ended last Friday with the announcement of winners. Prizes, all cash, were given by officials of the Westinghouse Airbrake Company. The same evening a report of the gardening committee of the Community Center of Oakland, Pittsburgh, was given, and prizes awarded by the Oakland Board of Trade and the Women's Club of Oakland.

Franklinton, Md.—John Eberhard has sold his greenhouses to William Stehling of Baltimore.

Auction Sales of Dutch-Grown Bulbs

Also Palms, Ferns, Dracaenas, Rubbers, Etc., French, Japanese and Bermuda-Grown Bulbs

Sales will be continued each Tuesday and Friday at 11 o'clock, A. M., until end of season

SEND FOR AUCTION CATALOGUES

The MACNIFF HORTICULTURAL COMPANY

The Largest Seed, Plant and Poultry Salesrooms in the World

52, 54 and 56 VESEY STREET

NEW YORK, N. Y.

CLEVELAND.

Julius Kish, confessed slayer of F. C. Bartels, has been bound over to the grand jury on the charge of first degree murder.

C. E. Russell, of the Jones Russell Co., has just returned from a trip east where he went to look for a skilled florist of which he is in need. He is still looking.

A. B. Barber has just returned to Cleveland after opening his new store in Youngstown. This gives his company four branches now, two in Cleveland, one in Akron and one in Youngstown.

"People continue to buy in spite of the prices we have to charge," said A. J. Rose, of the Park Flower Shop. "They go from the roses to chrysanthemums and back again, but seldom leave empty handed."

Florists are buying earlier than usual for their Christmas and holiday needs, according to W. Q. Potter, wholesalers and retailers seem to be very optimistic as to the future and fear no slump during the war.

F. J. Piggott, florist, 2236 Meyer avenue, was the victim last week of marauders who broke into his greenhouse and stole all the electric bulbs, "and passed up a very valuable ton of coal in the boiler room," reports the puzzled Mr. Piggott.

PHILADELPHIA.

Paul Huebner wants to make one more trip to Europe. Of course, after the war is over, which he sincerely hopes will be before he goes on the company's pension list. Why? Well there's a thrifty why to that. An active official of the R. R. can get some passports that a retired official can't.

The next meeting of the Florists' Club will be held at the West Philadelphia Republican Club House, 4105 Chestnut street. This courtesy is extended through the efforts of Mr. Farenwald and other officers of the Club and all members are cordially invited to attend the next meeting, Tuesday, November 6th. The Pennsylvania Horticultural Society has engaged the First Regiment Armory for its annual chrysanthemum show.

August Lutz has sold out his greenhouses and other property at 34th and Powelton avenue to a laundry concern which will erect buildings for their business on the vacated site. Mr. Lutz is a veteran who has made money as a local old time florist and

from the growth of the city around him during the past fifty years. He will reside for the present in one of his houses which he has recently erected nearer the city limit, namely, at 6034 Baltimore avenue, where he will be glad to see his old friends.

CINCINNATI.

Mr. and Mrs. L. H. Kyrk are on a trip to Chicago and some Michigan points.

M. M. Carroll has added wholesale cutflowers to her bulb and supply business and has opened a salesroom on Third street, between Walnut and Main street.

Wm. Brueggemann, after five weeks spent at the P. J. Olinger greenhouses at New Castle, Ind., has returned to this city. A new heating system has just been installed at New Castle.

A fund with which to purchase comfort kits for florists in the military or naval service of the U. S. is being raised by the florists. C. S. Jones started the fund. Contributions are being received at the place of the William Murphy Co.

ST. LOUIS.

The publicity committee of the National Society are up and doing and are losing no time.

The Retail Florists' Protective Association met last Monday evening, Oct. 15, at the Knights of Columbus Hall.

H. G. Berning, George H. Angermueller, Wm. C. Smith Wholesale Co., C. A. Kuehn and Windler's Wholesale Floral Co. commenced on October 22 to close their offices at 5 p. m., instead of 6 p. m.

(From the "Heraldo Minero," Havana, October 20, 1917. Translation.)

THE CUBAN STANDARD HAS BEGUN DRILLING WITH A POWERFUL "ROTARY."

At the Invitation of Mr. Plumb, President of This Active Company, We Visited the Land Where a Most Modern Apparatus is Accomplishing the Work With Great Rapidity. The Drill Can Go Down, If Necessary, to a Depth of More Than 3,000 Feet.

The Cuban Standard has begun the drilling of its first well with a perfect and powerful "Rotary Drill" on its land in Bacuranao.

Yesterday we had the opportunity of speaking with Mr. Plumb, president of this company. "We are ready," he told us, "to drill more than 3,000 feet if it becomes necessary. There will be no lack of effort on our part to bring this work to a definite issue."

The Cuban Standard has begun to pay its solemn debt contracted with its shareholders, in beginning actively the work of exploitation. That represents the most eloquent demonstration that is possible of its good intentions and honor.

It is unnecessary to speak, because it is well known, of the value of the property which this company owns in the district of Bacuranao. As impartial reporters, we are bound to note this circumstance of the greatest importance to the shareholders—that it's the only company drilling with a "Rotary." It has been demonstrated to a certainty and is well known by all intelligent oil men and geologists, that the "Rotary," taking into account the geological formation of the Cuban soil, is the most certain, rapid and effective drill.

At the special invitation of Mr. Plumb, we visited the camp in Bacuranao and what struck our attention most forcibly was the order and the perfect organization with which the work is being done. At the same time, we had a brief conversation with Mr. English (field supt.) an amiable man, an expert in oil, well known in mining circles both in Mexico and in Cuba. Mr. English was very optimistic. He was sincere in his certainty that the best results would be obtained as a reward for their labors.

Agreeably impressed as we were, we can do no less than predict the best future for the Cuban Standard which has effectively demonstrated that there are in Cuba honorable companies that spare neither money nor efforts to offer their shareholders a brilliant opportunity.

Mr. Plumb told us, furthermore, that all those who are interested are invited to see for themselves the work done.

See it and assure yourselves!

—Adv.

SPECIAL OFFER COLD STORAGE

LILY

BULBS



SPIRÆA

CLUMPS

We have the following stock in Cold Storage, in first-class condition, and in order to move promptly, are offering same at extremely low prices, and subject to being unsold on receipt of order.

LILIUM LONGIFLORUM GIGANTEUM

Size	Case	5 Cases
6 to 8 inches, 400 bulbs per case.....	\$12.00	\$58.50
7 to 9 inches, 300 bulbs per case.....	12.00	58.50
7 to 9 inches, 100 bulbs per case.....	4.75	23.00
8 to 10 inches, 225 bulbs per case.....	15.50	76.50
9 to 10 inches, 200 bulbs per case.....	16.60	82.00
9 to 10 inches, 100 bulbs per case.....	9.00	43.75

LILIUM AURATUM

	Case
3 Cases (200 bulbs each), 8 to 9 inches.....	\$10.00
4 Cases (90 bulbs each), 11 to 13 inches.....	11.00

LILIUM SPECIOSUM MAGNIFICUM

	Case
3 Cases (100 bulbs each), 9 to 11 inches.....	10.00
4 Cases (125 bulbs each), 9 to 11 inches.....	11.50
1 Case (50 bulbs each), 9 to 11 inches.....	5.25
3 Cases (100 bulbs each), 11 to 13 inches.....	13.00

LILIUM SPECIOSUM ALBUM

	Case
1 Case (200 bulbs), 8 to 9 inches.....	15.00
1 Case (125 bulbs), 9 to 11 inches.....	13.50
1 Case (25 bulbs), 9 to 11 inches.....	3.75

LILY OF THE VALLEY CLUMPS

9 Cases (50 extra large clumps each).....	10.00
---	-------

SPIRÆA CLUMPS

(For Christmas Forcing)

For the convenience of our customers who are desirous of trying these in small quantities, we have packed these Clumps in cases of twelve, which we are pleased to offer at reasonable prices, subject to being unsold.

	Case		Case
2 Cases (12 Clumps each), Pink Perfection.....	\$5.00	11 Cases (25 Clumps each), Gladstone.....	4.75
33 Cases (12 Clumps each), Queen Alexandra.....	2.50	6 Cases (100 Clumps each), Gladstone.....	18.00
46 Cases (12 Clumps each), Gladstone.....	2.50	32 Cases (12 Clumps each), Avalanche.....	3.00

STUMPP & WALTER CO.

30-32 Barclay Street

NEW YORK CITY, N. Y.

PUBLICATION RECEIVED.

Plant Materials of Decorative Gardening.—A very carefully prepared and complete manual of the Woody Plants by Professor William Trelease, head of the Department of Botany in the University of Illinois. The thoroughness so characteristic of all Professor Trelease's work is well known and this little book just issued will be prized because of that infallibility. The volume is bound in flexible covers and not too large to be carried in the pocket although comprising over 200 pages. The intent of the book is to make it possible for any careful observer to learn the generic and usually the specific name of any hardy tree, shrub or woody climber that he is likely to find in cultivation in the eastern United States or in northern Europe other than in botanical gardens or collections of similar character. It accounts for 247 genera and 782 species, with some 375 minor forms, 83 natural families being represented. Concise keys are given and a full glossary. Landscape gardeners, park superintendents and others having to do with the selection and culture of hardy trees and shrubs will find this volume a very useful companion. The price is \$1.00 postpaid.

HILL'S EVERGREENS

BEST FOR OVER HALF A CENTURY.
Small, medium and large sizes supplied.
Price list now ready.

THE D. HILL NURSERY CO.

Evergreen Specialists. Largest Growers in America.
BOX 415, DUNDEE, ILL.

CARNATIONS

FIELD GROWN

British Triumph, Washington, White Wonder, \$6.00 per 100.

Lady Bountiful, Lady Northcliff, Pink Winsor, \$6.00 per 100, \$50.00 per 1000.

MISCELLANEOUS PLANTS

Ready for Immediate Sales

	Size Pot	100
POINSETTIAS	2 1/4-in.	6.00
SMILAX	2 1/4-in.	3.00

SEND FOR CATALOGUE

Wood Brothers

FISHKILL, N. Y.

FOR CHRISTMAS SALES

XMAS AND BIRD'S EYE PEPPERS, 3 in. \$6.00 per 100; 5 in., \$25.00 per 100.
XMAS JOY PEPPERS, 3 1/2 in., \$10.00 per 100; 5 in., \$30.00 per 100.

ERICA MALACOIDES, 3 1/2 in., \$30.00 per 100; 5 1/2 in. to 6 in., \$1.00 each. Very heavily budded, just right for Xmas blooming.

CROTON PUNCTATA, 3 in., \$25.00 per 100, very bushy, highly colored.

GENISTAS, 4 in., \$25.00 per 100, very bushy.
DRACAENA INDIVISA, pot-grown 5 1/2 in., ready for 7 in., at \$35.00 per 100.

A. L. MILLER, Jamaica, N. Y.

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The oldest and best established journal for nurserymen. Circulation among the trade only. Published monthly. Subscription price, \$1.50 per year. Foreign subscriptions, \$2.00 per year. In advance. Sample copy free upon application from those in the trade enclosing their business card.

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Nursery Stock

Fruit and Ornamental Trees, Shrubs,
Small Fruits, Clematis, Evergreens
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Write for Trade List.

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Simple methods of correct accounting
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BOOKS BALANCED AND ADJUSTED

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SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers: President, F. W. Bolgiano, Washington, D. C.; First Vice-President, Wm. C. Scarlett, Baltimore, Md.; Second Vice-President, David Burpee, Philadelphia, Pa.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.

McHutchison & Co. announce that they will make delivery of all Japanese bulbs ordered and at original booked price. Shipments of torumsum have already been delivered complete at original booked price, though many of them cost more than the selling price. Shipments of gigan-teum will be late this season due to shortage of steamer space, but cables from Japan advise that last lots will leave this month. Delivery can hardly be expected before November.

W. Atlee Burpee & Co. announce that they have definitely decided to discontinue the old system of selling seeds by the bushel, peck, quart, etc., and will hereafter list all seed by the Cental system, beginning with January 1, 1918.

As is well known, of course, it has been customary for the Seed Trade to list some seed, such as onions, peppers, melons, etc., by the pound. On the other hand more bulky seed like peas, beans, corn and all of the farm seeds have been sold by measure. Messrs Burpee make the point that many states have different laws regarding the number of pounds a bushel of corn, for instance, shall contain. In many of the states these requirements vary considerably. But a pound is always a pound in no matter what state it happens to be and further, it is more easy to calculate prices when selling or buying seed by pound, hundred pounds, etc. On the other hand, as we look at it, there is the possibility of a considerable change in weight of some seeds as they grow older after being harvested, which might cause complaint.

The Cental system, however, will unquestionably be found an improvement in many respects and the sentiment of the seed trade generally seems to be gradually turning towards its ultimate adoption.

Those of our readers who have ever visited the auction salesrooms of Protheroe & Morris at Cheapside, London, will no doubt be pleased to hear that Lieut. Harold M. Morris, son of one of the firm, has received the Distinguished Service Cross for his brilliant work in the Royal Naval Air service.

William Saville, supt. of Michell's Nurseries at Andalusia, Pa., addressed the Salem County (N. J.) Horticultural Society on Chrysanthemum Culture, at the Court House on the evening of Oct. 20.

BURNETT BROTHERS

Importers and Growers of

SEEDS, BULBS, PLANTS, &c.

98 Chambers Street, New York

WE OFFER FOR IMMEDIATE DELIVERY
THE FOLLOWING VARIETIES OF

French-Grown Hyacinths

FIRST SIZE, FOR EARLY FORCING

L'Innocence, White	Lady Derby, Pink	Moreno, Pink
Gertrude, Pink	La Victoire, Red	Grand Monarque, Blue

Azaleas cannot be shipped from Belgium according to recent cable reports.

The bulbs are specially grown in France to be forced early and are excellent for pots.

GIVE THEM A TRIAL

Write for prices to **P. O. Box 124, Hoboken, N. J.**

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C. J. SPEELMAN & SONS
Sassenheim, Holland

LAGARDE & SPEELMAN
Ollioules, Var, France

PAPER WHITE GRANDIFLORA

13 c/m and up (1000-1200 per case)	\$13.50 per 1000
15 c/m and up (900 per case)	16.00 per 1000

White Roman Hyacinth

12 c/m and up (1700-1800 per case)	\$36.00 per 1000
13 c/m and up (1700 per case)	40.00 per 1000
13 c/m and up (1400-1450 per case)	42.50 per 1000

Just arrived, in perfect condition
Cash with order for less than 5 cases, or from those who have not established credit with us.

McHUTCHISON & CO.

The Import House

95 Chambers Street, NEW YORK



FRENCH BULBS NOW HERE

Ready for Delivery

NARCISSUS PAPER WHITE

NARCISSUS TRUMPET MAJOR

ROMAN HYACINTHS

FREESIAS

LILIUM CANDIDUM

Cold Storage Lilies Always

FOTTLER, FISKE, RAWSON CO., THE SEED STORE **BOSTON**
Faneuil Hall Square

LEONARD'S SEEDS

and SEED SERVICE

FOR SALE BY

LEONARD SEED COMPANY, Chicago, Ill.

"Seeds with a Lineage" All Varieties
Thoroughly tested at our trial grounds, Raynes
Park, London, England. Send for Catalogue
CARTERS TESTED SEEDS, Inc., 166 Chamber of
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MY WINTER-ORCHID-FLOWERING
SWEET PEA

Price list has been mailed. It contains many splendid Novelties. If you have not received a copy send postal for.

ANT. C. ZVOLANEK

Sweet Pea Ranch

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Burpee's Seeds

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BLUE LIST OF WHOLESALE PRICES
MAILED ONLY TO THOSE WHO PLANT
FOR PROFIT.



CALLAS, FREESIAS, PAPER WHITES

The scarcity of Forcing Plants and the Cost of Decoratives will create a great demand for the above stock which can be forced in a short time and at little expense. We offer

Clean healthy bulbs,	WHITE CALLAS	Per Doz.	100	1000
1 1/4 to 1 1/2 inches in diameter.....		\$0.90	\$5.75	\$52.50
1 1/2 to 1 3/4 inches in diameter.....		1.25	8.50	80.00
1 3/4 to 2 inches in diameter.....		2.00	12.50	115.00
2 to 2 1/2 inches in diameter.....		2.25	13.50	130.00

FULL STOCK OF ALL DUTCH BULBS IN STORE

FREESIAS				
Bermuda, White, First Size, 3/8 inch up.....	.12	.75	6.00	
" " Mammoth, 1/2 inch up.....	.20	1.25	10.00	
California, White, Yellow Throat.....				
" First Size, 3/8 inch up.....	.12	.75	5.00	
" Mammoth Size, 1/2 inch up.....	.15	.90	7.00	
" Monster Size, 5/8 inch up.....	.25	1.00	12.50	
Excelsior (New), Very dwarf foliage, robust growth (Mammoth Bulbs).....	.40	2.50	20.00	
French, White, Yellow Throat.....				
" Monster Size, 3/4 inch up.....	.25	1.50	13.00	
" Mammoth Size, 5/8 inch up.....	.20	1.20	9.50	
" First Size, 1/2 inch up.....	.15	1.00	8.00	
NARCISSUS PAPER WHITE GRANDIFLORA				
First Size, 1 1/2 cm. up.....	.30	1.75	15.00	
NARCISSUS FRENCH TRUMPET MAJOR				
Dutch Grown, Yellow.....	.25	1.25	11.00	
French Grown, Yellow.....	.30	1.75	16.00	

HENRY F. MICHELL CO., 518 Market St., Phila.

BULBS, FRENCH and DUTCH

White French Roman Hyacinths

12 to 15 c/m \$5.00 per 100, \$40.00 per 1000; 13 to 15 c/m \$5.50 per 100, \$48.00 per 1000.

Vittata Hybrid Amaryllis

6 inch, \$25.00 per 100; 7 to 9 inch, \$35.00 per 100; 7 inch, \$30.00 per 100; 9 to 11 inch, \$40.00 per 100.

J. M. THORBURN & CO.

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SPECIALIZE IN

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(personally selected strains)

WHOLESALE ONLY

Write for Special Prices, Spot or Forward

Only Address, LANGPORT, Eng.

Paper White Narcissus

Lilium Candidum

Amaryllis, Callas

Cold Storage Lilies

Write us for price

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J. BOLGIANO & SON

Careful Seed Growers For 99 Years

Send for Our 1917 Wholesale Prices To Florists and Market Gardeners

BALTIMORE, MD.

Paper White Narcissi

PRICES ON APPLICATION

R. & J. FARQUHAR & CO.

6 South Market St., BOSTON, MASS.

CANES

Measuring from 6 to 8 feet. Can cut to any size

\$1.50 PER 100

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SEEDS, BULBS AND IMPLEMENTS WHOLESALE AND RETAIL.

Reselected Strains in Seeds.

Improved styles in Implements.

Catalogue upon application.

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READY NOW

Keystone Snapdragon Seed. Winter Blooming. \$1.00 per pkt., 6 pkts for \$5.00.

Pansy Seed. Finest Florists' Mixture. \$6.00 per ounce.

Mignonette. Giant Greenhouse Grown. \$8.00 per ounce.

When we say we can please you, we mean just what we say.

S. S. SKIDELSKY & CO.

1004 Lincoln Bldg.

Philadelphia, Pa.

ROMAN J. IRWIN

108 West 28th St., NEW YORK

SPECIAL OFFER

LILIUM FORMOSUM

8/11, 225 to a case.....\$80.00 per 1000

9/10, 200 to a case..... 85.00 per 1000

11/13, 100 to a case..... 15.00 per case

LILIUM FORMOSUM—Black Stem

8/10, 200 to a case.....\$80.00 per 1000

9/10, 180 to a case..... 90.00 per 1000

11/13, 100 to a case..... 16.00 per case

Write for Complete Stock Circular.

SATISFACTION GUARANTEED.

ORDER NOW

PAPER WHITE NARCISSUS,

ROMAN HYACINTHS,

LILIUM HARISII,

COLD STORAGE LILIUM GIGANTEUM

Prices on application.

JOSEPH BRECK & SONS' CORP.

47-54 North Market St., Boston, Mass.

W. E. MARSHALL & CO.

SEEDS, PLANTS AND BULBS

Horticultural Sundries

166 W. 23rd St., NEW YORK

GARDEN SEED

BET, CARROT, PARSNIP, RADISH and GARDEN PEA SEED in variety; also other items of the short crop of this past season, as well as a full line of Garden Seeds, will be quoted you upon application to

S. D. WOODRUFF & SONS

82 Dev St., NEW YORK and ORANGE, CONN.

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Telegraphic orders forwarded to any part of the United States, Canada, and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

United States Telegraph Delivery
Member Florists' Association

Reference or cash must accompany all orders from unknown correspondents.

Cable Address, ALEXCONNELL.



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KANSAS CITY

Transfer Your Orders to

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DAVID CLARKE'S SONS

Deliver orders from any part of the country to

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Write or Telegraph

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F. H. WEBER'SModern Flower Shop for
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One of the largest and best located
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We Cover all Points in Maine

**Of Interest to Retail
Florists****NEW FLOWER STORES.**

Brownsville, Pa.—James Lasky

Buffalo, N. Y.—F. L. Finch, 11 Bay
Ten StreetFort Madison, Ia.—J. M. Angus, 609
Second StreetSeattle, Wash.—Chas. E. Sullivan,
Inc., Third Ave.Salem, Ore.—Clide Clancy, succeeding
Carl E. Reut.Chicago, Ill.—Andrew J. O'Leary,
343 E. 17th StreetCincinnati, O.—Miss M. M. Carroll,
Third Street (wholesale).Indiana Harbor, Ind.—Lake Front
Floral Co., Thos. Wilson, prop.New York, N. Y.—Tryforas Bros.,
removing Nov. 15 to 484 Willis Ave.St. Joseph, Mich.—Benning Flower
Shop, succeeding Gustav Frederickson.Buffalo, N. Y.—W. H. Grever, 77
Allen St., succeeding Mollie A. Smith.**PERSONAL.**

Mrs. E. P. Wilson entertained the
lady florists of Rochester, N. Y., on
Oct. 17.

S. K. Parks has resigned his position
as superintendent of the Matilda
P. Nicholson estate at Harwich, Mass.

Herbert L. Green, florist, of Spencer,
Mass., and Miss Florence L. Knapp, of
Worcester, were married at Worcester
on Tuesday, Oct. 16th.

A postal dated at Singapore, India,
September 9, from Ralph M. Ward,
states that he was about to leave for
Penang, Calcutta and Bombay. He
speaks very highly of the Botanical
Garden and orchid collection in Singa-
pore.


Albany, N. Y.*The Best Service**Our Business is Growing*

Member Florists' Telegraph Delivery.

Established 1874

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High Grade Cut Blooms**

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For Retail Stores a Specialty
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WORCESTER, MASS.
Randall's Flower Shop
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Visitors' Register

Boston—F. Gomer Waterer, Bagshot, Eng.

St. Louis—Robert Newcomb, Chicago.

Pittsburgh—S. M. Rosenfeld, New York; Julius Dilloff, repr. Schloss Bros., New York.

New York—E. J. Welch, Boston; J. T. Butterworth, Framingham, Mass.; F. Gomer Waterer, Bagshot, Eng.

Rochester, N. Y.—Mr. Blackshaw, of Randall & Co., Chicago; H. Kurth, of Reed & Keller, N. Y.; Stephen Green, of Bayersdorfer & Co., Phila. Pa.

Washington—Mr. and Mrs. George M. Cook, Baltimore, Md.; Ernest F. Hoehl, repr. S. S. Skidelsky, Phila.; K. N. Snipes, Garden City, N. C.; L. J. Seiger, repr. Robert Craig Company, Phila.; N. B. Lake, Phila.; S. J. Ricard, repr. R. J. Irwin, new York; H. B. Fiske, Morrisville, Pa.

Philadelphia—N. J. Hayman, manager The Hayman Greenhouses, Clarksburg, W. Va.; Mr. Barker, manager The Baltimore City Floral Co., Baltimore, Md.; Mr. and Mrs. C. E. Russell, Jones-Russell Co., Cleveland, O.; Robert and John Halliday, Baltimore, Md.; Alexander Forbes, Newark, N. J.

Chicago—Miss Ella Kaber and Rex Kaber, La Porte, Ind.; Harry E. Saier, Lansing, Mich.; Mrs. L. Buck, Washington Court House, O.; C. L. W. Snyder, of El Paso Carnation Co., El Paso, Ill.; Henry Keefe, Akron, Ohio; Miss Hellenenthal, Columbus, Ohio; Wm. Beyer, South Bend, Ind.; M. H. Levine, New York; Mrs. J. Revotgos, Minneapolis, Minn.

George W. Hess, superintendent of the Botanic Gardens, has left Washington for a tour of the middle west and will soon sail from San Francisco for Honolulu. Mr. Hess is one of a party, otherwise made up entirely of Senators and Congressman, invited by the Government of the Territory of Hawaii to visit the Islands as its guests.

The thirty-fifth biennial meeting of the American Pomological Society will be held at Horticultural Hall, Boston, on Oct. 30-Nov. 1. A very fine program of papers and discussions has been prepared and copies may be had on application to W. P. Rich, Horticultural Hall, Boston.

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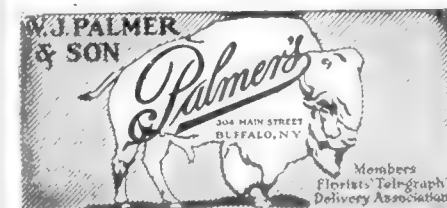
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No. 3. " " " " " "	1000 "	27.50
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No. 6. " " " " " "	500 "	30.00
No. 7. " " " " " "	1000 "	55.00

These Special Offers Include: Mary Lou, Ophelia, Sun-
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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Oct. 26		ST. LOUIS Oct. 22		PHILA. Oct. 23	
Roses						
Am. Beauty, Special	25.00	to 30.00	30.00	to 40.00	25.00	to 30.00
" " Fancy and Extra	6.00	to 20.00	20.00	to 30.00	12.00	to 20.00
" " No. 1 and culls	1.00	to 6.00	5.00	to 10.00	6.00	to 10.00
Russell, Euler, Mock	1.00	to 6.00	8.00	to 20.00	3.00	to 15.00
Hadley	1.00	to 6.00	8.00	to 12.00	3.00	to 10.00
Arenberg, Hoosier Beauty	1.00	to 6.00	.....	.....	3.00	to 10.00
Ward	1.00	to 6.00	3.00	to 6.00	4.00	to 6.00
Killarney, Radiance, Taft	1.00	to 6.00	3.00	to 6.00	2.00	to 8.00
Ophelia, Sunburst, Hillingdon	1.00	to 6.00	3.00	to 10.00	2.00	to 10.00
Carnations	2.00	to 3.00	3.00	to 4.00	2.00	to 4.00
Cattleyas	40.00	to 60.00	.....	75.00	40.00	to 50.00
Dendrobium formosum	.....	50.00	.....	.....	50.00	to 60.00
Lilies, Longiflorum	6.00	to 8.00	.....	12.50	8.00	to 12.00
Lilies, Speciosum	4.00	to 8.00	.....	.....	4.00	to 6.00
Lily of the Valley	8.00	to 10.00	.....	8.00	6.00	to 10.00
Snaptagon	1.00	to 3.00	.....	.....	2.00	to 8.00
Gladioli	1.00	to 4.00	.....	.....	3.00	to 4.00
Violets	.35	to .50	.35	to .50	.25	to .50
Chrysanthemums	4.00	to 8.00	8.00	to 20.00	6.00	to 25.00
Sweet Peas	.....	.....	.....	.....	1.00	to 3.00
Marguerites	1.00	to 3.00	.....	.....	.50	to 1.00
Gardenias	20.00	to 25.00	.....	.....	25.00	to 35.00
Adiantum	1.00	to 1.25	.....	1.00	.50	to 1.00
Smilax	8.00	to 12.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (too Bchs.)	35.00	to 50.00	25.00	to 35.00	25.00	to 50.00

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CARNATIONS GROWER of
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Florists' Supplies

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ORCHIDS

Cut Flowers of All the Leading Varieties
in their Season.

THOMAS YOUNG, Jr., Proprietor
BOUND BROOK, N. J.

Flower Market Reports

This market has suddenly descended the business ladder clear to the bottom and the worst period of stagnation experienced this season is with us, perhaps to stay until Thanksgiving. There is some consolation in the fact that this sort of thing has come to pass each year about this date and so there is no good reason for attributing it to other causes, local or recent. Roses are, perhaps, the greatest sufferers for they are coming in very heavily and in splendid quality but there is no market for them. Chrysanthemums are in more than sufficient supply and so are violets and lilies. These constitute the major part of the material which stands idle and forlorn in the wholesale marts. There are other things, rare or common, in smaller quantities, and all are in the same predicament. Cattleyas labiata is now in good swing and the blooms offered in this market are of very nice grade as a rule. Carnations are not yet much in evidence but they, too, are down to about one-half the price for which they sold readily two weeks ago.

Trade is very quiet in CHICAGO. the wholesale stores. It is well that the amount of stock coming in is comparatively small for were it not for shipping trade to use it up, it could not be handled to advantage. The chrysanthemum question is a serious one. One year ago the shipping of California grown chrysanthemums to this market was found to be possible and now the home-grown ones have to meet this competition, with the result that the tables are full of blooms and sales lag. Roses are possibly coming a little more freely but the change is hardly perceptible. The same can be said of carnations, and the dark cold days are not very encouraging to the carnation growers. Violets are here again and it remains to be seen whether they are to be received this season with the apathy of the past two years. Everything from out of doors is gone and at this writing the ground is white and the air is full of falling snow.

This market has CLEVELAND been suffering from considerably from lack of material. Today roses and chrysanthemums are the mainstay of the market and these have risen to exceptionally high prices. Lily of the valley is scarce. A very few dahlias have struggled through since the frost. Carnations are still very hard to get. Violets are coming in more normal volume. Pompon chrysanthemums of exceptional quality come in regularly.

Business is good. The CINCINNATI demand is strong while the supply has increased satisfactorily and shipping business is good. Roses have been having an excellent market. Chrysanthemums generally are of the highest quality. Carnation supply is hardly any larger than it was a fortnight ago. Longiflorum and Rubrum lilies are in a fair supply. The first sweet peas of the fall season were in the market this week and they were excellent.



OPHELIA

Some of the most wonderful quality we have ever received so early in the season, in small or large quantities at

SPECIAL \$10.00 per 100
EXTRA 8.00 per 100
FIRST 6.00 per 100
SECOND 3.00 per 100
Extra long Specials at \$12.00 per 100

Everything in FLOWERS, PLANTS, RIBBONS and SUPPLIES.

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Franklin & St. Paul Sts.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Oct. 22		CHICAGO Oct. 22		BUFFALO Oct. 22		PITTSBURG Oct. 23	
Roses								
Am. Beauty, Special.....	25.00	to 35.00	25.00	to 30.00	25.00	to 30.00	20.00	to 26.00
“ “ Fancy and Extra.....	15.00	to 20.00	15.00	to 20.00	20.00	to 25.00	12.00	to 15.00
“ “ No. 1 and culls.....	8.00	to 12.00	8.00	to 10.00	3.00	to 5.00	8.00	to 10.00
Russell, Euler, Mock.....	5.00	to 12.00	4.00	to 20.00	3.00	to 12.00	6.00	to 15.00
Hadley.....	.....	.....	.....	.....	5.00	to 10.00	.....	.....
Arenberg, Hoosier Beauty.....	4.00	to 10.00	3.00	to 12.00	5.00	to 10.00	.....	.....
Ward.....	4.00	to 8.00	.....	.....	3.00	to 5.00	4.00	to 10.00
Killarney, Radiance, Taft.....	3.00	to 8.00	3.00	to 10.00	2.00	to 8.00	4.00	to 10.00
Ophelia, Sunburst, Hillingdon.....	4.00	to 10.00	3.00	to 12.00	3.00	to 8.00	4.00	to 10.00
Carnations					1.00	to 3.00	3.00	to 4.00
Cattleyas.....	.....	.....	.....	.....	.....	.....	.....	.....
Dendrobium formosum.....	.....	to 75.00	60.00	to 75.00	50.00	to 60.00	.....	to 75.00
Lilies, Longiflorum.....	.....	.....	.....	.....	.....	.....	.....	.....
Lilies, Speciosum.....	.....	to 12.50	10.00	to 12.00	8.00	to 10.00	10.00	to 12.00
Lily of the Valley.....	.....	.....	.....	.....	3.00	to 6.00	.....	.....
Snopdragon.....	.....	to 7.00	4.00	to 6.00	7.00	to 8.00	.....	.....
Gladioli.....	4.00	to 6.00	.....	.....	1.00	to 3.00	1.00	to 3.00
Violets.....	.....	.....	.....	.....	2.00	to 4.00	.....	to 4.00
Chrysanthemums.....	.50	to .75	75	to 1.00	.60	to .75	.50	to .75
Sweet Peas.....	8.00	to 25.00	5.00	to 40.00	10.00	to 20.00	10.00	to 40.00
Marguerites.....	.75	to 1.00	.....	.....	.....	.....	.75	to 1.00
Gardenias.....	.....	to 1.00	.....	.....	.....	.....	1.00	to 4.00
Adiantum.....	.....	.....	.....	.....	.....	.....	.....	.....
Smilax.....	.....	to 1.00	1.00	to 1.50	1.00	to 1.25	.75	to 1.25
Asparagus Plu. & Spren. (100 Bhs.)	.....	to 15.00	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	40.00	to 50.00

NEW YORK The flower market has experienced a very bad break-down this week. It was not unexpected, for it is an annual experience each year as soon as the chrysanthemums begin to come in heavily, and its approach was foreshadowed in the closing days of last week. Chrysanthemums and roses are the dominating features. They are everywhere, in enormous quantities and splendid quality. The roses move a little now and then, but the chrysanthemums are "in bad." Last season Ogonto made a fine record as an early white and brought good returns. The inevitable has resulted—everybody put in Ogonto for this season and Ogonto is everywhere by the thousands and

of superb quality in every respect, but the market is ruined. Then there are all other types in hopeless abundance, from tiny pompons up to enormous specimen Japs, in manifold colors. In roses Hadley and Ophelia take the lead with the buyers, but all varieties are abundant and in excellent quality. Cattleyas are in full or even excess supply, mostly labiata, many of them undersized and thin petalled and buyers don't want them. A few very nice dahlias are seen, also calendulas of fine quality, some lily of the valley, plenty of violets of only medium quality, etc., but the variety of flowers offered is not extensive and there would be no trouble except for the chrysanthemum drive.

(Continued on page 458)

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Leucothoe, Palmetto, Cycas, both fresh
cut and prepared.

Laurel, Hemlock, all Decorative Evergreens.

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NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Oct. 20 1917	First Half of Week beginning Oct. 22 1917
American Beauty, Special	15.00 to 30.00	15.00 to 30.00
" " Fancy and Extra	10.00 to 12.00	10.00 to 12.00
" " No. 1 and culls.	2.00 to 6.00	2.00 to 6.00
Russell, Euler, Mock	2.00 to 8.00	3.00 to 8.00
Hadley	2.00 to 12.00	2.00 to 15.00
Arenberg, Hoosier Beauty	1.00 to 4.00	1.00 to 4.00
Ward	1.00 to 4.00	1.00 to 4.00
Killarney, Radiance, Taft	1.00 to 4.00	1.00 to 4.00
Ophelia, Sunburst, Hillingdon	1.00 to 8.00	1.00 to 8.00
Key	2.00 to 10.00	2.00 to 10.00
Carnations	2.00 to 4.00	2.00 to 4.00

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satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

130 West 28th Street, Tel. Farragut 634,

NEW YORK.

Flower Market Reports

(Continued from page 157)

PHILADELPHIA Prices firmed up a little last week and on the whole business was on a satisfactory basis although it slackened a little on Friday and Saturday. Some of the wise ones among the wholesalers seemed to think the latter condition was caused by the liberty bond crusade but this is doubtful. Beauties and Russells are the leaders in the rose market, the latter especially being in large supply and good demand. Cattleyas continue a strong feature with labiata leading. Dendrobium and Oncidium varicosum are also well to the front. Carnations more plentiful and quality better. Sweet peas are extra good and violets all that can be expected as to quality but going a little slow. Chrysanthemums are more and more in evidence—big ones—little ones—and a good range of colors and varieties. Cosmos is still with us and in fine shape, also a few scattering lots of dahlias and gladioli but these are practically over.

Business in the supply department has opened up earlier than in any previous season, possibly owing to the congested traffic conditions. What was probably the last shipment of dahlias—five thousand blooms—came in last Tuesday from Vineland, N. J., in the pink of perfection. Splendid chrysanthemums are coming in, the pompons, especially, making a fine showing. Double violets have again made their appearance. Roses of quality and in quantities are coming in, although the demand is not what it should be.

Trade conditions **ROCHESTER** have been very poor for the past week. Heavy frosts have just about cleaned up the outdoor stock except in sheltered places. The market is practically relying on indoor stock, which is very limited as to kinds. Roses are in good condition and prices are holding well. Chrysanthemums are beginning to fill the local needs, but are hardly plentiful enough to ship. Carnations are scarce. Lilies plentiful.

The absence of all outdoor stock has stiffened prices all around. Carnations are larger and longer stems. Roses are daily improving and their keeping qualities are increased by weather conditions. Chrysanthemums are increasing in quantity and quality and are selling well.

WASHINGTON Saturday, Oct. 21, was the coldest day of that date experienced in Washington in forty-five years, the mercury dropping to 34 degrees and a great deal of outdoor stock was killed. Cosmos was a better seller this year than ever before. Chrysanthemums are increasing in number and improving in quality. Roses are far more plentiful and do not clean up well. Carnations are still very scarce. Rhinebeck violets are to be had but are not selling well. Some lily of the valley was offered during the week but hung fire. Gardenias are scarce and in some demand. Orchids are more plentiful but high.

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Cattleyas.....	15.00	to 35.00	15.00	to 35.00
Dendrobium formosum.....	to 50.00	to 50.00
Lilies, Longiflorum.....	4.00	to 8.00	4.00	to 8.00
Lilies, Speciosum.....	2.00	to 3.00	2.00	to 5.00
Lily of the Valley.....	3.00	to 8.00	3.00	to 8.00
Snapdragon.....	1.00	to 2.00	1.00	to 2.00
Gladioli.....	to	to
Violets.....	.25	to .50	.25	to .40
Chrysanthemums.....	8.00	to 25.00	6.00	to 30.00
Sweet Peas.....	to	to
Marguerites.....	1.00	to 2.00	1.00	to 2.00
Gardenias.....	20.00	to 30.00	20.00	to 30.00
Adiantum.....	.50	to 1.00	.50	to 1.00
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Divide your orchard in half, no matter how large or small. Spray one-half with "SCALECIDE", and the other with Lime-Sulfur for three years, everything else being equal. If at the end of that time, three disinterested fruit growers say that the part sprayed with "SCALECIDE" is not in every way better than that sprayed with Lime-Sulfur, we will return you the money you paid us for the "SCALECIDE".

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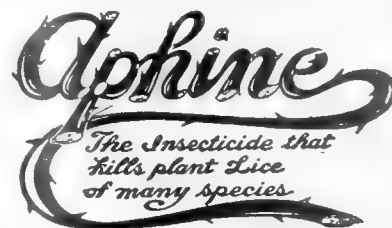
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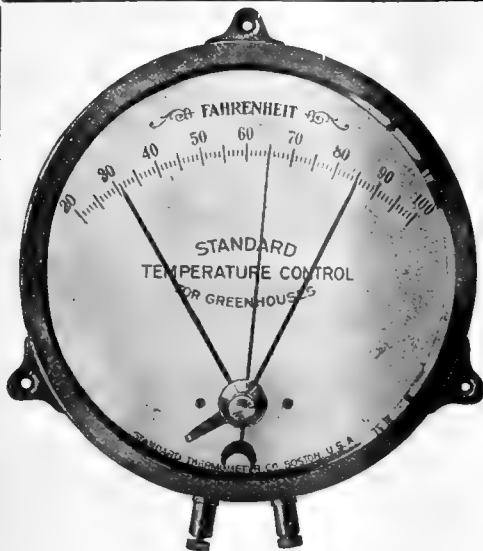
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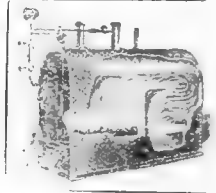


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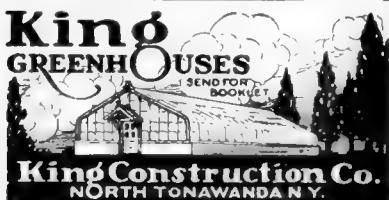


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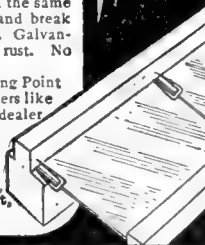


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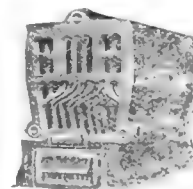
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Vol. XXVI
No. 18
NOV. 3
1917

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Horticulture

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by this paper is THE SORT OF PUBLI-
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DUTCH AND FRENCH BULBS

INSTANT DELIVERIES

IMPORTANT. Unless existing differences between the U. S. and Dutch Governments are solved promptly and satisfactorily (which does not appear probable) no further Dutch shipments will arrive. In this case there will be no Lily of the Valley or Spirea this season. This together with the lack of Azaleas and all Belgian plants will impel the wide-awake florist to make more extensive plantings of Dutch and French bulbs. Roman Hyacinths as a substitute for Lily of the Valley and bulbs in pots and pans to take the place of Azaleas.

SECURE YOUR STOCK NOW WHILE THE BULBS ARE TO BE HAD

For early flowering we advise shipment by express.

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12-15 cm		\$5.00	\$45.00
13-15 cm		6.00	52.50

CALLAS			
Monsters 2 in.		\$12.00	\$110.00
1 1/2-2 in.		8.50	80.00
1 1/2-1 3/4 in.		5.50	50.00

NARCISSUS PAPER WHITE			
14 cm		\$2.00	\$16.00
13 cm		1.75	13.00
12 cm		1.50	11.50

FREESIA REFRACTA ALBA			
French grown		\$1.10	\$10.00

CHINESE SACREDS			
Mammoth bulbs			
Per Basket, 30 bulbs		\$3.10	
Per Mat, 120 bulbs		12.20	

DUTCH HYACINTHS		100	1000
Top Root Bulbs		\$8.00	\$73.50
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2nd "		4.25	38.00
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DUTCH ROMANS		2.00	18.50

SINGLE NAMED TULIPS			
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Yellow Prince		1.50	13.50
Superfine Mixed		1.00	8.50

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Couronne d'Or		\$2.35	\$22.00
Crown of Roses		2.60	24.00
Murillo		1.50	13.50

	100	1000
Lucrecia	\$1.50	\$13.50
Tournefort	2.10	19.50
La Candeur	1.50	13.50
Salvator Rosa	1.65	16.00
La Grandesse	1.25	11.00

NARCISSUS, Dutch			
Double Von Sion, 1st size		\$1.50	\$12.00
Double Von Sion, dbl. nose		2.50	22.50
Golden Spur, 1st size		1.75	16.50
Golden Spur, dbl. nose		2.50	22.50

LILY BULBS (Cold Storage)		100	1000	Case
Giganteum 7/9 (300 bulbs to case)		\$5.50	\$50.00	\$15.00
Giganteum 8/10 (225 bulbs to case)		7.50	65.00	14.75
Giganteum 9/10 (200 bulbs to case)		8.50	80.00	16.00

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Rutherford, - New Jersey

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Asplenium Nidus Avis (Bird's nest Fern)

2 in. pots, \$12.50 per 100, \$100 per 1000.

2 1/4 in. pots, \$15 per 100, \$125 per 1000.

3 in. pots, \$25 per 100.

4 in. pots, \$50 per 100.

5 in. pots, \$75 per 100.

Table Ferns in flats, leading varieties, one variety in each flat, \$2.00 per flat.

Kentia for centers, 6 to 8 in. high, \$12.50 per 100; 8 to 12 in. high, \$15.00 per 100.

Coccoloba Weddelliana, 2 in., \$12.50 per 100; 2 1/4 in., \$15.00 per 100; 3 in., \$25.00 per 100.

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When Writing to Advertisers Kindly
Mention HORTICULTURE

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Thermometers

One can hardly be too careful when selecting these for the greenhouses, and woe be unto the grower who cannot see why he should pay two dollars or more for a thermometer when a 25c. one will do. There is an old saying dad used to tell me—"láce za láce a penize zadarmo"—which I cannot translate and make it sound right, but its meaning is that the cheapest is not always the best, and quality should be considered first—price last, lest the money be thrown away for naught. Get a good thermometer and house it right in a neat box painted white, for if hung up without protection from the sun's rays the metal will heat up a good deal thus causing the thermometer to register a much higher temperature than there really is. Then, too, if a thermometer is not protected properly, it is bound to get knocked around when syringing or doing other work around the roses, and this is not good for a delicate instrument easily damaged by rough handling.

Watch for the Drip

It has been a very wet and disagreeable fall with us "out West," so far. Even if all the houses are tight there will surely be more or less condensation, and it will drip on the back rows of the benches and start spot and raise havoc in more than one way. It will be necessary to see that the drip grooves on the sash bars are not stopped up. It is easy to tell on a wet day where these need cleaning. Often a drop of paint or a spider's nest will stop the drip channel. Clean it out and the condensation will then flow downward and drip where it was intended it should. It is not necessary to go over all the bars. One can easily see where the trouble is and remove the cause.

Mice and Rats

It seems only yesterday that I wrote something about these pests, yet shortly after the article appeared we visited a private gardener at Greenwich, Conn., who was troubled with a rat climbing the grapevines at night and eating and disfiguring lovely bunches; and no amount of coaxing and setting of traps, poisons, etc., could "get" this marauder. The best way is to get them while they are young. Mice are easy, as the common trap when well baited and set will clean them out better than any cat. For rats, set all traps with bacon for bait, using new canvas gloves when handling the traps. We find the rat trap made on the same style as the little mouse traps the most efficient. Keep the traps set as these animals will soon be moving into warm quarters for the winter and they can do a lot of damage if allowed to multiply. We do not like to use poisons as these are more or less dangerous and then the rat will die in the wrong place. Should the place become overrun and poison is resorted to, feed the rats unpoisoned food for a time and then poison it. One great objection to poison is that rats will often store

things and the poisoned food may get into the wrong stomach. Never use the same food or poison as they will not touch it the second time.

Feeding

With the weather dark and wet all the time one hardly knows what to do as regards feeding, and must at best proceed very cautiously. Do not let the plants starve and become hard. Apply feed regularly as they need it, not in heavy doses but in amounts sufficient to keep them going all the time. Use bonemeal, tankage, blood and bone, any of those and plenty of former, as it is a good safe plant food. Whichever is used see that the plants are wet enough when it is applied, for if dry at the roots they will take up the food too readily and it will burn the roots and check the plant so that it will hardly ever grow again, as sap cannot flow through its branches, unless the plant happens to break from the bottom, which is quite unlikely. It is easy to pick out these plants, as they look as if they had the "yellows," a disease so common to asters.

Mulching Solid Benches

Unless these are planted to Beauties, it will be best not to apply any mulch not needed to keep the surface of the soil rough and open, and depend on using plant foods mentioned above, if they can be bought. Many have advanced to a prohibitive figure and some cannot be bought at all. Solid benches have a tendency to stay too wet and cold all the time during the winter and a heavy mulch over these would be bound to keep them from drying out even as often as they do. With a rough light mulch on the benches to keep surface open and prevent washing and then careful pinching so plants are never cut off altogether, there should be no trouble to make these benches move along. They will come along slowly, stocking up for spring when there should be something happening along the rows of plants in solid benches.

Last Call for Repairs

As this is being written, snow is slowly piling up outside, reminding me more and more of that "Indian Summer" that has not arrived. Soon it will be quite cold and disagreeable to get on the roofs to put in broken glass, so the sooner the work is done the better, as it is a loss of heat to leave any openings anywhere, starting mildew, or cold rain coming in and getting the plants all wet when they should be dry and warm. If repair work has not been done get at it right away. Use a little paint on the bar before applying putty and cut off all putty hanging over the bar on the inside, and it pays to paint the thin layer over too, as putty always falls out on the inside and the paint will help hold it. Be sure to place glass bowed side up otherwise it will crack very soon and fall out during some windstorm.

LETTERS FROM AN OLD TO A YOUNG GARDENER

You will be glad to have your notes on the peony with peonies, as it was published in *Horticulture* for May 12th and July 7th, and 21st, 1917. As one of these letters was criticised for not mentioning the people who had worked in this field, I want here to say that you must not look for history, bibliography or originality in these letters, which are intended mainly to be "just stating evidential facts beyond all argument,"—like the voice of the wind and breeze McAndrews heard.

You may remember in a former letter I said if a peony was attacked by the hollow-stem fungus, in the buds before they came through the ground in the spring, or at the base of the stalks afterward, the rotten tissue caused by the microscopic organisms following the fungus attack should be entirely cut out, though the operation left only detached roots, each with a single bud. The pieces of the root were then to be soaked in lime sulphur. As lime sulphur is quite

rather to handle on a small scale it is better to buy it. For large plants affected by the fungus, I use a common twelve quart watering pot, filled within two inches of the top with water to which six ounces of Bowker's Lime-Sulphur is added. Each plant gets one-fifth of this quantity every week during the growing season. It is poured on all sides of the stalks, that it may run down into the cavities in the earth

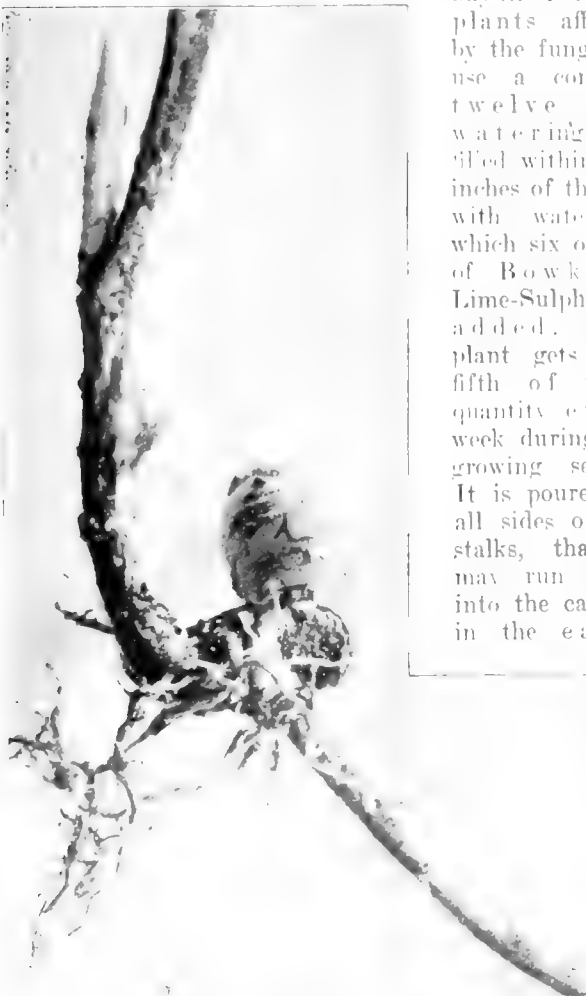


FIGURE 2.

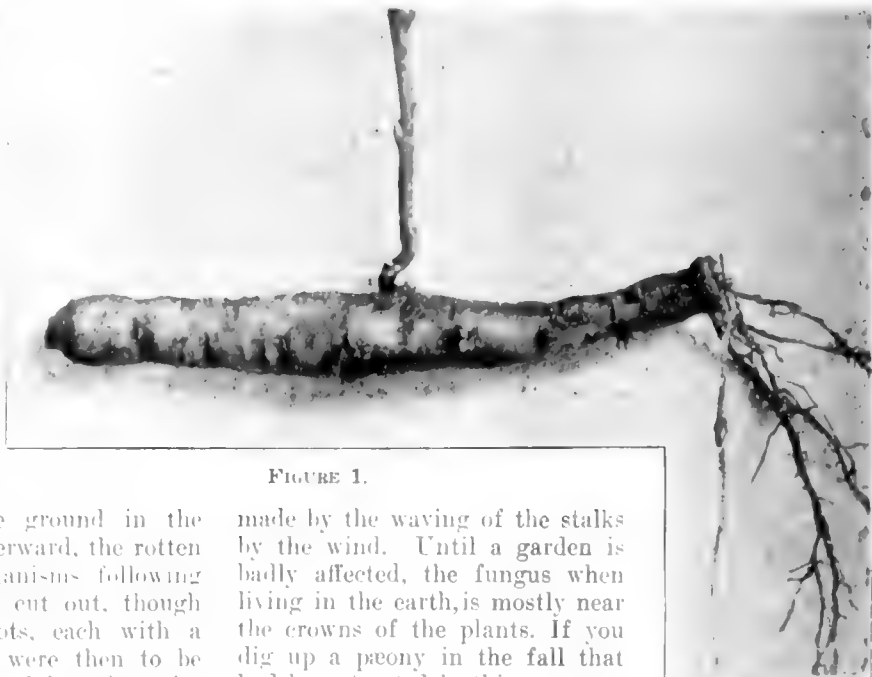


FIGURE 1.

made by the waving of the stalks by the wind. Until a garden is badly affected, the fungus when living in the earth, is mostly near the crowns of the plants. If you dig up a peony in the fall that had been treated in this way, you will find the earth grey at the base of the stems and the new buds uninjured. Those shown in the photograph numbered Three are examples. They and their predecessors had this weekly dose, yet showed lovely "pink and white" complexions, contrasting well with the grey background. In this letter I want to tell you not to despair of saving a plant of a rare variety though it has entirely disappeared above ground and you find on digging that the rot has destroyed the whole crown, leaving only detached budless roots with the large ends rotten. Cut off the affected ends, tar the fresh surfaces after soaking in lime sulphur and plant two inches deep. With good luck you will get some new plants the next year from these budless roots. The size the plants will attain in a given time will depend somewhat on the size of the pieces of the root used. The photographs show this better than words. That numbered One was made from a plant that was a bit of budless root planted when only seven millimetres in diameter (about $7/25$ ths of an inch) and photographed after one year. The adventitious bud from which this plant arose came in an unusual position. Generally the new buds start nearer the large end, as shown in the other photographs. The photograph numbered Two is from a larger budless root two years after planting. That numbered Three is from a plant that arose from a budless root seventeen millimetres (about $17/25$ ths of an inch) two years after it was placed in the ground. When photographed the root measured in the same place was about thirty-four millimetres (about $1 \text{ and } 9/25$ ths of an inch) and was fifty centimetres long (about 20 inches). From it all the other roots have formed. The original root is marked A. The plant had three strong stalks, two with well developed flowers, and when dug to be pictured it had eight strong buds, some of which show in the picture. Their size may be determined as the photograph is one-half the size of the root. The variety was the lovely Tourangelle, bred by my esteemed correspondent, Monsieur A. Dessert, a master of the art

of producing fine new kinds and growing pæonies with symmetrical roots. This plant was healthy when received and remained so until my garden was infected with hollow-stem fungus introduced by pæony roots from a Pennsylvania grower. Tourangelle might well be named The Angel of Tours as it is so lovely. It is a good grower, which in proper soil makes long, smooth, straight roots radiating from the crown like the spokes of a wheel.

In another letter I want to tell you my experience in growing symmetrical roots, in the glacial drift of New England. This ought to be interesting as the roots I have received from Eastern dealers have been generally distorted. It is reasonable to think that a soil which allows roots to be long and straight should produce plants that will remain vigorous to a greater age than those grown in a soil that cramps and distorts them, however rich it may be in plant food.

I mention that the roots shown in the photographs were all grown in soil containing Thorium. Soon after its radioactivity was discovered I began to use it to determine whether by growing seeds and plants under new conditions I could increase the frequency of mutations. In a future letter I will tell you more of this.

William Rollins

Boston, Mass.



FIGURE 3.

QUISQUALIS INDICA (RANGOON CREEPER).

The Quisqualis makes a very useful and decorative climber for the greenhouse or conservatory and also as a pot plant grown on the balloon form. It is rather a hard subject to propagate from. I have tried several methods, and in two of them I rooted a few cuttings. The first was I took off the cuttings in May, selecting the furthest advanced growth and inserting them in thumb pots filled with sand, and plunged in a propagating frame, at 80 degrees to 85 degrees. Out of five cuttings I rooted one, which has now made a growth of ten feet in its second year. By selecting cuttings from the ripened growth in January, and giving a bottom temperature of 85 degrees to 90 degrees, out of six cuttings I obtained two that rooted well.

It requires a warm temperature, and all the sunshine possible to make it flower freely. It is a rank feeder and so requires a rich compost of friable loam three parts, dry cow manure one part, leaf mould one part, a five-inch pot of bonemeal to the barrow-load of loam,

and enough sand and a little charcoal to keep it open and sweet.

After the plant becomes well established, it requires feeding twice a week with liquid sheep manure and Clay's fertilizer. Throughout the summer it wants an abundance of water at the roots, and a moist temperature. Towards the Fall after the blooming season is over, retard the water supply a little, until in December and January it needs only enough to keep the wood from shriveling. At this time it should be punned back to two eyes on the young wood, for if the pruning is left too long undone it will bleed very badly when pruned.

At first the plants grew into bush form, and then young growths start at the base and in a very short period make a growth of ten or more feet practically leaving the shrubby growth completely at a standstill. It is practically free from insect pests and fungous diseases. The flowers on first opening are light rose, passing to deep red just before dropping. It makes a useful cut flower for flat dishes, lasting well under proper care.

JOHN S. DOIG.

THE IDEAL HEDGE PLANT FOR THE NORTH.

Berberis Thunbergi is one of the most attractive features of the fall garden scenery, in its sunny dress of gold, crimson, russet and green, with the racemes of coral berries that are to adorn the winter landscape, peeping through.

For a desirable and continuously beautiful hedge in all seasons Berberis Thunbergi is so far ahead of the monotonous and unreliable California privet it is away beyond comparison. We have recently seen some twigs of the new dwarf Box-Barberry so called, advertised this season in HORTICULTURE by the Elm City Nursery Co., and note that this dainty miniature edging shrub retains all the beauty of autumn tints which glorify the typical form. With the normal form for the regular hedge and the Box-Barberry form for the low bed edgings the garden lover may be happily independent of both privet and box and be assured of more beauty and greater reliability.

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Over
the top

The Cleveland Flower Show easily takes precedence as the most prominent horticultural event of the season and solely because of the way the florists and their allies "do things" in that town. The ingenuity, diligence and unanimity displayed in the planning and

production were preparatory to the great undertaking which reflects credit on the busy men "behind the guns," and on the nation and example worthy of emulation everywhere. Such well-directed and systematic effort cannot but bring about a complete success. We note with pleasure the admirable repetition of the intelligent team-work and public-spirited co-operation of all interested which made the similar enterprise two years ago such a huge triumph, and which can be counted upon to win out every time.

Ephemeral
honors

We read in the press despatches from Washington that "the General Pershing chrysanthemum, one of the newest creations of government floricultural experts, is now on exhibition at the department of agriculture's 17th annual chrysanthemum show." It is nice to realize that they find something besides "grim war," and its concomitants to talk about in Washington. General Pershing is well entitled to the distinction of having a chrysanthemum named for him but we would respectfully suggest that it should be a valorous and husky one, not afraid of the smell of powder in the registration tests and competitive shows. It has become established custom in the Department of Agriculture each year to indulge in the innocent pastime of raising a bunch of seedling chrysanthemums and giving them the names of people prominent in the public eye but that seems to be as far as these "creations" ever get. "Here today and gone tomorrow"; "sic transit gloria mundi," etc., etc.

Good words
well spoken

Hopeful comfort and reassuring evidence that this country is still far from losing its head in its attitude towards the refining influences and wholesome "luxuries" of civilized existence may be drawn from sentiments publicly expressed as in the following editorial note which we clip from the Newport (R. I.) News:

"A flower show for every community. What a beautiful custom it would be if every place should adopt this as one of its efforts for the development of community spirit and community betterment. No town or village is too poor or too small for flower shows to be held throughout the seasons, and they would afford a stimulus for the beautification of the community which could be given in no other way. The love of flowers is a fine asset in the life of an individual and also in the life of a community, and is well worth while trying to develop in both."

Further proof of the tendency to turn attention to horticulture as a relaxation and relief from the high tension of the strenuous life of today is seen in the following extract from a recent issue of the *New York Sun*:

"Flower growing has greatly increased as a recreation in this country as an indirect result of the European war. This is indicated by the interest in the coming exhibition of the Horticultural Society of New York, which is to take place at the American Museum of Natural History Nov. 9 to 11 inclusive. The more serious aspect of life at present has had the tendency to divert the American people from lighter amusement and to find relief from the pressure of other duties in avocations which bring them close to nature. Some also foresee that flowers will be required in all military hospitals for the solace of the wounded."

The duty and the opportunity for the florist right now in this time of world-wide fury and savagery is plain. In the very nature of things his avocation should be and will be the last of the so-called non-essentials to come under the ban of the people, for whatever their privations and suffering in material things may be they will turn unerringly to the soothing consolation and cheer found only in association with Nature's sweetest and most refreshing gifts to man.

THE S. A. F. PUBLICITY CAMPAIGN

Chairman George Asmus of the Publicity Finance Committee reports the following subscriptions up to October 27, to be paid annually for a term of four years.

By Wm. F. Ekas, secretary of the Maryland Committee.

Isaac H. Moss, Inc., Govans, Md.	\$50.00
John B. Harmon, Catonsville, Md.	5.00
Robt. L. Graham, Baltimore	25.00
Wm. J. Kennedy, Pikesville, Md.	5.00
R. Vincent, Jr. & Sons Co., White Marsh, Md.	50.00
Harry Ekas, Baltimore	5.00
Wm. G. Lehr, Brooklyn, Md.	10.00
Stevenson Bros., Towson, Md.	10.00
Jas. Hamilton, Mt. Washington, Md.	50.00
Albert G. Fiedler, Baltimore	10.00
Edw. Kress, Baltimore	5.00
H. Grahl, Halethorp, Md.	2.00
Wm. Christie, Baltimore	10.00
F. C. Bauer, Govans, Md.	25.00
M. J. Hannigan, Sudbrook Park, Md.	5.00
John A. Nuth, Raspeburg, Md.	5.00

By Wallace H. Eiss, chairman of the Buffalo (N. Y.) Committee.

Wm. F. Kasting Co., Buffalo	\$100.00
Wm. Scott Co., Buffalo	25.00
C. T. Guenther, Hamburg, N. Y.	10.00

By Wallace R. Pierson, Cromwell, Conn.

Doogue & Co., Hartford, Conn.	\$25.00
John L. Ahlquist, Plainville, Conn.	5.00
Geo. B. Chase, Bethel, Vt.	5.00
Haworth's Greenhouses, Farmington, Conn.	5.00
Paul M. Hubbard Co., Bristol, Conn.	15.00
Rowden & Mitchell, Wallingford, Conn.	5.00

Received through the secretary's office.

John F. Horn & Bros., Allentown, Pa.	\$25.00
B. C. Johnson, Sterling, Colo.	10.00
Robt. Koehne, New York City	10.00
Fallon, Florist, Roanoke, Va.	10.00
Robt. T. Miller, Farmington, Utah	100.00
C. W. Ward, Eureka, Calif.	250.00

Please note the following corrections.

Wertheimer Bros.' contribution should read—"Annually for a period of four years." W. H. Kruse, St. Louis, Mo., \$15.00 annually for a term of two (2) years—formerly given as "W. H. Hurst."

Corrections in the Maryland Committee.

Chas. F. Feast resigns; add—W. E. McKissock, 5 W. Centre St., Baltimore. Isaac H. Moss, Govans, Md. Jas. Hamilton, Mt. Washington, Md. Wm. F. Ekas, Secretary, Baltimore, Md. J. J. Perry, St. Paul and Franklin Sts., Baltimore. Geo. Morrison, Baltimore.

Stationery is being prepared and will be distributed to the chairmen of all local committees immediately. Additional subscription blanks or literature may be obtained upon application to the secretary.

In line with the publicity campaign inaugurated by the Society of American Florists and Ornamental Horticulturists, there have been numerous sub-committees appointed to further the great movement, one being to represent the wholesale florists. There was a meeting of this committee at the office of Traendly & Schenck, 436 Sixth avenue, N. Y. City, Saturday, Oct. 27th, to devise ways and means by which the objects of this campaign may be furthered. This meeting was attended by a representative body of wholesale dealers and much interest and enthusiasm was developed. Charles Schenck was the chairman.

Squibly Squibs

BY L. W. C. TUTHILL.

DO YOU KNOW what Josh Billings said to his neighbor about his cow?

Ever think how it applies to the S. A. F. national advertising?

Oh, then you "don't just recall what it was Josh said." Well, he said: that "the only way to take hold of a cow was by its tail, then you could let go when you wanted to."

The reason Josh's cow talk makes me think about the S. A. F. advertising, is because Josh's cow way is not the way to take hold of advertising.

The only way to take hold of advertising, is to take hold so you can't let go. Take hold with both hands by its horns. *And then hang on for life.*

If you let go, you will either be hooked; or tossed up in the air, and come down with a dull thud on a sharp stone.

Why, you ask, am I so stirred up with all this take-hold and keep-hold talk?

Simply because some unrealizing ones are talking about "trying the S. A. F. advertising out for a year, and see what happens. If enough happens, then give it another try for another year. If the happens don't happen to happen, as they think they should happen, then let go the tail, as Josh recommends.

Come close, Hiram, while I tell you something: If you are going to dilly-dally—experiment with this advertising, don't start it at all! Get for all time that notion out of your head that this chip-in kind of all-hands-around advertising, is a new experiment; and that the S. A. F. is venturing on uncharted seas.

There are no less than 50 just such campaigns being run this very minute. None of them are spending less than \$50,000. Most of them are spending over \$100,000. The last to join the ranks are the paint manufacturers with \$200,000 to paint people's minds with the idea of "paint for protection."

Every dollar you put into this advertising fund, is a protection to your business.

So why not stop talking about it as being an expense.

Begin thinking of it as *business insurance*.

That's what it is, *business insurance*.

Stop picking your teeth, and put your name down on the dotted line for a sum you are not ashamed to say right out loud so all the members can hear it.

And put it down for four years.

OHIO NATIONAL PUBLICITY FUND MEETING.

A notice has been sent out to the 68 County Chairmen to meet in Cleveland on Saturday afternoon November 10th, for the purpose of formulating plans and to decide upon the exact time for starting a live campaign to canvas every grower, retail and wholesale florists, nurserymen and others located in the big state of Ohio.

H. P. Knobler, who is a member of the Executive Finance Committee of the Publicity Campaign, has addressed a personal letter to all of the County Chairmen urging them to attend this meeting which will be held in the Club room of Grays Armory.

F. C. W. Brown, of Cleveland, the Northern Ohio State Vice-President and H. W. Shepperd of Cincinnati, Southern Ohio State Vice-President of S. A. F., will have direct charge of the Ohio campaign.

TWO HUNDRED DOLLARS CASH.

Competition Open to All.

The Florists' Telegraph Delivery Association will give two hundred dollars cash for the best sign or emblem submitted to its committee for use of the members in advertising the delivery of flowers by mail, telegraph, telephone, etc., etc., etc.

The successful subject will be one suitable for use as a poster stamp, window sign, delivery wagon sign or bill board. It must convey in the simplest manner the title of our Association—Florists' Telegraph Delivery. Those competing will not be restricted as to size or number of subjects sent in for consideration.

The idea the committee wants to convey through the sign is that members of the Florists' Telegraph Delivery Association can deliver flowers anywhere in the United States or Canada (or the world) through its members on short notice. We want a sign easily remembered wherever seen and symbolical of our aims. Get busy and get your sketches in. Be sure to put your name and address plainly on the back of each sketch submitted. Anyone is eligible.

The sketches will become the property of the Association and we will only pay for the one selected. All rights and titles will remain with the Association and no artist's or designer's name will be permitted on the face of the selected sketch. The decision of the committee will be final.

Here is a chance for a little easy money. Your idea is likely the winner, so do it now. All sketches must be in the hands of the committee not later than March 1, 1918. Send your sketches and for any further information address

F. C. W. BROWN,
Chairman Emblem Com., F. T. D.,
Care The J. M. Gasser Co.,
Cleveland, Ohio.

CLUBS AND SOCIETIES

NEW YORK FEDERATION OF HORTICULTURAL SOCIETIES AND FLORAL CLUBS.

The Buffalo Florists' Club has invited delegates from the Federated Societies to be its guests on November 14th. Every effort is being put forward to make this a most enjoyable and profitable occasion. At two o'clock in the afternoon there will be a meeting of the delegates at South Park Conservatory. The Municipal Chrysanthemum Show will be in session and President Elbers of the Buffalo Florists' Club anticipates a most excellent exhibition. The Buffalo Club will entertain the visitors at a banquet at the Iroquois Hotel in the evening. President F. R. Pierson of the Federation will preside as toastmaster and J. Horace McFarland of Harrisburg, Pa., will be the principal speaker of the evening. Those who know Mr. McFarland are assured of a most instructive and profitable address. He has chosen for his subject, the timely topic, "What About Flowers in the War for Democracy?" Other speakers will be President Elbers, S. A. Anderson, William J. Palmer, W. A. Adams and W. Eiss.

This should be a grand getting together of men interested in the floriculture of New York. A meeting of this nature once a year will do wonders towards advancing the flower growing industry. Every Federated Society should send a large delegation to show the Buffalo brethren that their hospitality is appreciated. On arriving at Buffalo delegates should report at the store of S. A. Anderson, 440 Main street, where Treasurer Adams will extend the glad hand and instruct them further regarding the program for the day. Why not make this a banner meeting?

E. A. WHITE, Secretary.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

There was a fine display of flowers at the monthly meeting of the above Society at Greenwich, Conn., on Friday evening, Oct. 12th. The judges made the following awards: Cultural certificate to Wm. Smith for very fine Ophelia roses; very high commendation to James Linaine for dahlias and White Plume celery; to Wm. Graham for roses "Hoosier Beauty," and to P. W. Popp for dahlias; Paul Dwenger honorable mention for collection of apples. The monthly prize for the most meritorious exhibit was awarded to Wm. Smith; 2nd to P. W. Popp, and 3rd to Wm. Graham.

Everything is settled for our annual fall show, under the auspices of the Greenwich Branch of the Red Cross in the Greenwich Armory on November 6th and 7th. It is up to the gardeners to make the show a success so they ought to do all they can to encourage it especially when it is for so deserving a cause.

ALEX. CLARKSON.

MEETINGS NEXT WEEK.

Monday, Nov. 5.

Bernardsville Horticultural Society, Horticultural Hall, Bernardsville, N. J.
 Elberton Horticultural Society, Fire Hall, Elberton, N. J.
 Houston Florists' Club, Chamber of Commerce Rooms, Houston, Tex.
 Montreal Gardeners' and Florists' Club, Montreal, Canada.
 New Bedford Horticultural Society, New Bedford, Mass.
 Washington Florists' Club, Washington, D. C.

Tuesday, Nov. 6.

Florists' and Gardeners' Club of Holyoke and Northampton, Mass.
 Lake Geneva Gardeners' and Foremen's Association, Horticultural Hall, Lake Geneva, Wis.
 Los Angeles County Horticultural Society, Los Angeles, Cal.
 Paterson Floricultural Society, Y. M. C. A. Bldg., Paterson, N. J.
 Florists' Club of Philadelphia, Philadelphia, Pa.
 Pittsburgh Florists' and Gardeners' Club, Fort Pitt Hotel, Pittsburgh, Pa.

Wednesday, Nov. 7.

Tuxedo Horticultural Society, Tuxedo Park, N. Y.

Thursday, Nov. 8.

Menlo Park Horticultural Society, Menlo Park, Calif.
 New London Horticultural Society, Municipal Bldg., New London, Conn.

Friday, Nov. 9.

Connecticut Horticultural Society, County Building, Hartford, Conn.
 Westchester and Fairfield Horticultural Society, Doran's Hall, Greenwich, Conn.

Saturday, Nov. 10.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.

MISSOURI BOTANICAL GARDEN, ALUMNI ASSOCIATION.

To give our members an opportunity to participate in the National Flower Show to be held in St. Louis in the spring of 1918, the executive committee has decided to postpone the annual fall meeting until the time of the Flower Show in April. This plan is in accordance with the action taken by the Society of American Florists and Ornamental Horticulturists and other national societies, and will assure us of a much larger attendance. Exact dates of the meeting and other particulars will be announced later.

A. H. NEHRING, President.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Report of Committees.

Exhibited at Cincinnati, Ohio, Oct. 13, by Elmer D. Smith & Co., Adrian, Mich., var. Idolph; color pink; pompon, ex. points 85. Oct. 20, var. Adironda; color bronze; pompon, ex. points 92; var. Laneta; color deep pink; pompon, ex. points 90; var. Edina; color, light pink; pompon, ex. points 89; At Chicago, Oct. 20, var. Laneta, color pink; pompon, ex. points 93; Adironda; color bronze; pompon; ex. points 94; var. Edina; color, light pink; pompon, ex. points 94.

LANCASTER COUNTY FLORISTS' CLUB.

The smallest meeting since the organizing of this Club was held Oct. 18th. The subject was Dahlias and an exhibition of cut flowers was called for. Mrs. Ganse made a display of cut blooms of exceptional quality. David Rose, an amateur grower, gave the paper on Dahlias and those who were fortunate enough to hear it were surprised at the knowledge from a commercial point of view that he has acquired.

He said, "I am surprised how few florists grow Dahlias and how much they are underestimated. I believe if given a little attention they can be made a profitable crop. Coming as they do between the Asters and the Chrysanthemums, they can not be surpassed by any other flower in range of color and diversity of form."

After giving some valuable cultural notes Mr. Rose submitted the following list as desirable for commercial cut flower use:

Show A. D. Livoni, Ruby Queen, Yellow Livoni, Gloria de Lyon, Black Diamond, Fancy—Tricolor, Gen. Buller, Mrs. H. J. Jones.
 Decorative—Delice, Catherine Duer, Henry Patrick, Yellow Duke, Orange King, Black Beauty.
 Cactus—Prince of Yellow, J. H. Jackson, Juliet, Winsome, Standard Bearer, Countess of Lonsdale.
 Peony—Geranance, Gloria de Bacon, Praelire, Queen Wilhelmina.
 Pompon—Crimson Queen, Little Beauty, Little Herman, Snowclad, Little May, Indian Chief, Daybreak.

Mr. Rose advocated the extensive use of Pompons as they are to dahlias what the same class is to chrysanthemums and have a thousand uses.

FLORISTS' CLUB OF PHILADELPHIA.

The regular monthly meeting will be held in Room C, Seventh Floor, Parkway Building, Broad and Cherry streets, Philadelphia, on Tuesday, November 6th, 1917, at 8 p. m. Members will enter Parkway Building by Main entrance from Broad street. Take elevator in main lobby to Seventh Floor, turn to left to Room C on north side of building.

The Novelties Committee wish to announce that this will be Chrysanthemum night and they have secured a number of novelties and some fine specimens of the newer varieties for exhibition this evening. The Essay Committee has also secured an excellent speaker with an interesting subject. Altogether a good time is promised.

AMERICAN ROSE SOCIETY.

There will be a meeting of the American Rose Society in Gray's Armory, in connection with the Cleveland (Ohio) Flower Show, November 9th, at 3 p. m. It is hoped there may be a large attendance, for business of an important nature will be considered. The Executive Committee will meet at 7.30 p. m. on November 8th.

E. A. WHITE, Secretary.

PARK SUPERINTENDENTS' CONVENTION.

The nineteenth annual convention of the American Association of Park Superintendents, which was held at St. Louis, Mo., and East St. Louis, Ill., on September 11-12-13, was attended by about 125 park executives representing fifty American cities.

Business sessions were held on the forenoon of each of the three days, with an exceptionally good program of papers and addresses, which were followed by discussions. The afternoons were given over to auto tours of inspection of the wonderful array of recreation features which abound in the Mound City and the evenings were given over to social features, notably the Annual Shaw Banquet given by the Missouri Botanical Gardens and a spectacular performance of the pantomime of "Rip Van Winkle" rendered in the new open air theatre in Forest Park and participated in by over 800 children of the St. Louis playgrounds.

Memorials were passed commending the Department of the Interior and the National Geographic Society for their efforts which resulted in the preservation of the giant trees of California, now a part of Sequoia National Park, also urging the securing of the famous Redwood forests of California. The state of Illinois was urged to take steps to secure the preservation of the Cahokia Group of Indian Mounds, which were visited by the convention attendants and which are now in private ownership.

Constitutional amendments passed provided for a re-organization of the offices of the Association, a continuing Board of Directors being substituted for a set of six vice-presidents whose terms expired each year. The publication by the Association of its own official organ, in the form of a quarterly standard magazine, was authorized, the secretary to be the managing editor, with the other officers associate editors.

Hartford, Conn., was selected as the place for holding the 1918 convention, the date to be during the latter part of September.

Officers were elected as follows:

President, J. F. Foster, Chicago, Ill.; vice-president, John Berry, Denver, Col.; secretary-treasurer, Roland W. Cotterill, Seattle, Wash. Board of Directors—Geo. H. Hollister, Hartford, Conn.; L. P. Jensen, St. Louis, Mo.; Geo. W. Hess, Washington, D. C.; E. P. Griffin, East St. Louis, Ill.; Lionel Evans, Youngstown, Ohio; C. A. Bosson, Minneapolis, Minn.

HORTICULTURAL SOCIETY OF NEW YORK.

The time of the Fall Exhibition, November 8 to 11th, is nearly here. If you have not already sent for schedules, send at once, so that you may get your entries recorded in time to enable the manager of the show to properly arrange the exhibits. Much of the artistic and orderly arrangement depends upon early entries. Schedules may be had by addressing the secretary, George V. Nash, New York Botanical Garden, Bronx Park, N. Y. City.

GEORGE V. NASH, Secy.

TEXAS STATE FLORISTS.

Our annual Convention will be held in Waco, Texas, November 5th and 6th. This is a most important meeting. Every florist in Texas should attend. As has been indicated by previous florists' conventions, including the National Convention in New York, and the Florists' Telegraph Delivery in Detroit, there is a great deal of good to be derived at this meeting, particularly so at this time. Many matters will be brought up for discussion of vital interest to the florists of Texas. By all means lay your plans to attend this meeting. Remember there is great need for full co-operation among florists during these times of war. We will have a most interesting program as indicated by announcements in another space in this paper. Show your willingness to co-operate by being in attendance in Waco. If you have special stock that you wish to exhibit, or stock that you have for sale, bring your samples along.

R. C. KERR.

Chairman of Welfare Committee.

CLUB AND SOCIETY NOTES.

The New London (Conn.) Horticultural Society has practically given up the idea of holding a flower show this fall. At its last meeting it was voted to have a shower for the aid of the Red Cross, but a hall adapted to the purpose is not available.

The eighty-sixth annual exhibition of The American Institute of the city of New York will be held in the Engineering Building, 25 to 33 West Thirty-ninth street, on November 7-9. It will include a grand Chrysanthemum Show and exhibition of orchids, roses, carnations, ferns, palms, fruits and vegetables.

The Fall Show of the Tarrytown Horticultural Society will be held on November 7-9 at Music Hall, Tarrytown, N. Y. This is one of the outstanding exhibitions of the year as to quality and high character generally. All entries for competition must be in the hands of Secretary E. W. Neubrand on or before November 5. Copies of the prize schedule may be had on request to him at F. R. Pierson Co., Tarrytown, N. Y.

The Fourth Annual Meeting of The Potato Association of America will be held in the new National Museum, Washington, D. C., on November 9 and 10, 1917. The officers of this organization are: Lou D. Sweet, president, Denver, Col.; J. G. Milward, vice-president, Madison, Wis.; W. Stuart, secretary-treasurer, U. S. Dept. Agr., Washington, D. C. The list of topics for discussion and the speakers is a strong one. Among the latter are included Hon. Herbert C. Hoover, U. S. Food Administrator, and Howard Elliott of the Car Service Commission.

A very happy reunion was enjoyed by members of the State Florists' Association of Indiana on October 16 at Evansville, where the out-of-town members were guests of the Evansville Florists' Club. Among the speakers at the meeting was the veteran,

J. D. Carmody, now in his 90th year but still vigorous and bubbling over with droll humor. Considerable business of general interest was transacted and the members found time for feasting and auto trips besides. Robert Catron, foreman for Joseph Hill, displayed some handsome blooms of the sensational new rose Columbia. There were also shown carnations from Morgan Floral Co., of Henderson, Ky., and Fred Heintz of Terre Haute. About forty gentlemen were present. Karl Zeidler played the part of caterer in most approved style.

The annual exhibition of the Tuxedo Horticultural Society was held in the Tuxedo Club's house. It was for the benefit of the local Red Cross Society and was under the patronage of women in the Park. There were more than one hundred and twenty-five classes in the show and in each class there was keen competition. The special prize presented by the National Association of Gardeners for the best three vases of chrysanthemums not disbudded, twelve stems to a vase, was won by Mrs. J. Murray Mitchell's gardener, Thomas Wilson. The special prize offered by A. N. Pierson, Inc., for best twelve chrysanthemum Chalette Martinette, was won by Mr. J. Insley Blair's gardener, David S. Miller. Judges of the exhibits were John Everett, John F. Johnston, Robert Scott, Harry Allen, William Marshall and William Scott. Officers of the show are Patrick Cassidy, president; Duncan McGregor, vice president; Thomas Wilson, secretary; Alfred Townsend, treasurer, and Frederick Bently, manager.

CHICAGO TO GALESBURG.

The transportation committee of the Chicago Florists' Club has chosen the Chicago, Burlington and Quincy Railroad for the trip from Chicago to Galesburg on the occasion of the annual fall meeting and flower show of the Illinois State Florists' Association in the latter city November 6-7, train leaving Union Station, Canal and Adams streets, Tuesday, November 6, at 10.05 a. m., due Galesburg 1.55 p. m. The fare is \$3.91 each way. No party rate. A later train leaves 11.00 a. m., due Galesburg 4.55 p. m.

MICHAEL BARKER, Chairman,
Chicago Florists' Club Trans. Com.

PERSONAL.

Frank Nash, previously foreman in the conservatories of A. N. Cooley at Pittsfield, Mass., succeeds Mr. Edwards as superintendent, who recently resigned to accept a position elsewhere.

A pretty wedding took place on October 20 last at Rochester, N. Y., when Mr. William Hooper and Miss Marie MacGuidwin of 28 Russell street, had the knot tied. Mr. Hooper is the popular garden superintendent to Mr. Warham Whitney, 22 So. Goodman street. He has a wide circle of horticultural friends on both sides of the Atlantic, and Mr. and Mrs. Hooper start their married life with the good wishes of all.

CLEVELAND FLOWER SHOW

LAST WORD

The most interesting announcement from the Cleveland Flower Show Committee is the revision of two of their classes, one in the chrysanthemum section and one in the rose section as follows: No. 23, Vase 50 blooms Chrysanthemums, one variety any color. First prize \$75, Liberty Bond, second prize \$25, third \$15, fourth \$10. The first prize has been given by the members of the Shaker Lakes Garden Club.

A Feature Rose Class.

Class No. 58 will be changed to read as follows: Vase 100 blooms of any new variety of rose to be disseminated in 1918. Arranged in basket for effect. Greens and accessories allowed. First prize \$100, second prize \$60, third prize \$40. Prizes offered by Mr. Wm. G. Mather, president of the Ohio Horticultural Society and Chairman of the Executive Committee of the Cleveland Flower Show.

An additional prize is offered in connection with Class No. 1. This will be a Sterling Silver Bowl valued at \$50, offered as a Sweepstakes Prize for this class. The Premiums Committee are of the opinion that the changes made in Class No. 23 and 58 will bring out a feature group of chrysanthemums and rose exhibits for the show.

Expressing Exhibits.

It is suggested that all exhibitors select a train leaving their starting point at an hour early enough to bring them into Cleveland not later than 7 a. m., Central time. In the event there is no express car on this train they are advised to place a pair of cheap iron handles on the ends of their shipping cases which will allow the cases to be received as baggage and handled in the baggage car.

Another suggestion is that several exhibitors arrange to secure the drawing room in the Pullman and place their boxes in it. This will enable exhibits to arrive on the same train with the exhibitor. A special representative will be at the depots to receive shipments and make prompt delivery to the armory.

The staging committee requests that all exhibits be completely staged and ready for the judges by 11 a. m., chrysanthemums on Nov. 8th, and roses and carnations on Nov. 9th.

F. T. D. Exhibit.

A meeting was held of Cleveland F. T. D. members which include Jones & Russell, Miss Getz of Westmann & Getz, F. C. W. Brown of the J. M. Gasser Co., H. P. Knoble of Knoble Bros., Chas. Graham and John Kirchner were the only ones absent) at the Hollenden on Monday Oct. 29th, for the purpose of planning a feature display in the coming show. It was the consensus of the committee that the display should be so arranged as to convey the real meaning and service that is offered by F. T. D. to the public that will attend the show. The execution of the exhibit was left in the hands of

Chas. Russell. M. A. Vinson, Show Manager, was asked to prepare copy for a small folder in which F. T. D. service is briefly told, to be used for distribution at the show.

Entertainment for the Ladies.

Mrs. H. P. Knoble, president of the Cleveland Woman's Florist Club, has appointed Mrs. Geo. W. Smith chairman of the Entertainment Committee, the other member being Miss Eloise Swinton. These ladies will plan an interesting program for the visiting ladies during the four days of the show, the main features of which will be a luncheon on Saturday followed by a theatre party in the afternoon. There will be automobile trips through the parks and residential sections at different times during the show.

Registration.

All visiting florists and gardeners and others in the trade are requested to register at the Grays Armory as soon as possible after arriving in Cleveland, and getting located in their hotels. The registration committee in charge of S. N. Pentecost, chairman, assisted by O. P. Blackman, Walter "Doc" Cook, J. U. Fox, Robt. Koch, C. B. Wilhelm and Fred Witthuhn, will be on the job to greet all visitors and extend a welcome of the Cleveland Florist Club to them. Badges will be issued of a novel nature that will admit all visitors to the show. Also banquet tickets for all those in the trade remaining over Friday evening. The banquet program will be well worth staying for according to Frank J. Ritzenthaler and Chas. Graham who have it in charge.

At the last meeting of the full committee it was decided to appoint a special committee to have charge of the receipt of shipments and they were instructed to place a man at the depots with a special truck at his command to assure the exhibitors of prompt delivery service to Grays Armory.

The Trade Display Committee, Frank R. Williams, chairman, reports that there were four spaces 10 x 10 feet unsold but these were expected to be taken very soon.

Timothy Smith, chairman of the Admissions Committee, outlined his plan for a very active campaign to sell several thousand tickets at special price before the show opened. Retail display will be more interesting than ever judging by the report of Chas. Russell in charge of this committee.

On Saturday November 10th, decorated tables by private gardeners will be featured. This is the first time tables by private growers have been featured in the Cleveland shows.

Geo. Bate, chairman of the Publicity Committee outlined many plans for publicity which are sure to result in a large attendance. One of the new plans will be street decoration using lamp-posts in a different way than heretofore.

CHICAGO PLANS FOR CLEVELAND FLOWER SHOW.

J. C. Vaughan, J. Michaelson, and F. Lautenschlager, official representatives of the Cleveland Flower Show in the Chicago district have completed arrangements for a special express car for the transportation of all exhibits from this district.

Exhibits from and adjacent to Chicago should be forwarded to J. E. Michaelson, care of E. C. Amling Co., 175 North Wabash avenue, Chicago, according to the following schedule.

Chrysanthemums, Plants, etc., November 7th; Carnations and Roses, November 8th.

All shipments must be in possession of Mr. Michaelson by 3 p. m. in time for reshipment on official train leaving Chicago 8 p. m. of the days stated. The Cleveland Florists' Club has arranged to take charge of all exhibits upon arrival at Cleveland, and transport same by special trucks direct to Exhibition Hall.

The transportation committee of the Chicago Florists' Club has arranged to use the New York Central (Lake Shore) Railroad for the trip from Chicago to Cleveland on the occasion of the annual fall meeting and exhibition of the Chrysanthemum Society of America and the Cleveland Flower Show, November 8-11. The train leaves the La Salle street station, La Salle and Van Buren streets, November 7 at 11 p. m., due Cleveland 7 a. m. The individual one way fare is \$8.55 and party fare for 10 or more traveling on one ticket, \$7.68. Lower berth \$2.00, section \$3.60, drawing room \$7.00.

For reservations and further particulars, address or telephone O. W. Crapser, City Ticket Agent, 100 South Clark Street, Chicago; phone Randolph 5300.

MICHAEL BARKER, Chairman.

NEW YORK TO CLEVELAND

Arrangements have been made for traveling, for visitors to Cleveland from New York and vicinity, as follows:

By the New York Central Railroad, Lake Shore, Limited, leaving the Grand Central Terminal on Wednesday, November 7, at 5.30 p. m., arriving in Cleveland at 7.20 a. m. the next day. Fare from New York to Cleveland, including all charges, will be \$15.23. Pullman service as follows: Lower berth, \$3.30; upper berth, \$2.64; compartments, \$9.35; drawing room, \$12.10.

The Committee appointed by the Cleveland Flower Show management to make arrangements for this personally conducted tour, will appreciate prompt information from those who desire to join the party. Put your application in early. If you desire to take any exhibit of flowers on this train, it will be necessary that we know immediately.

Alex. J. Guttman, W. A. Sperling, John Young, committee.

A CHANGE OF SPECIAL INTEREST

To Chrysanthemum and Rose Growers!

In the Premium List of the Cleveland Flower Show November 8th to 11th, 1917. Class No. 23 will read as follows with increased prizes:

Vase 50 Blooms Chrysanthemums one variety, any color arranged for effect, greens and accessories allowed, 1st Prize \$50 Liberty Bond, 2nd Prize \$25, 3rd Prize \$15, 4th Prize \$10.

Special New Rose Class, No. 58A will read as follows:

Vase 100 Blooms of any new variety of Rose to be disseminated in 1918 arranged in a basket for effect. Greens and accessories allowed. 1st Prize \$100, 2nd Prize \$60, 3rd Prize \$40.

Class No. 1 will have an additional prize of a **Sterling Silver Bowl** valued at \$50 offered as a **Sweepstake**.

An invitation is extended to all retail and commercial florists and growers, private gardeners and all flower lovers to attend the Fifth Annual Cleveland Flower Show. The committee feel that while this will not be the largest exhibition ever staged, it will be well worth the time of any one in the business to

COME TO CLEVELAND TO SEE

Because of the congested express conditions exhibitors are urged to select early trains and ask the Superintendent of Express in each city to see that their shipment gets special attention. The high officials of the express companies have promised to do everything possible to bring show exhibits through without delay.

Premium lists may be secured, together with and any other information, by applying to
M. A. VINSON, Show Manager, 402 Leader News Bldg., Cleveland, O.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Special prizes to be awarded at the Annual Exhibition, Cleveland, Nov. 6-11, include the following:

Class A—C. S. A. silver cup for best Seedling, not disseminated.

Class B—C. S. A. silver cup for 6 vases of Pompons, 6 varieties.

Class C—President Vert's cup for 10 blooms, one variety.

Class D—Philip J. Foley prize for 10 blooms Josephine Foley.

Class E—Elmer D. Smith prizes for 12 blooms Miss Anola Wright. Private gardeners only.

Class F—Michell's Seed House silver and bronze medals for 12 blooms on short stems.

Class G—Chas. W. Totty silver cup for 12 Novelty Japanese Anemone Chrysanthemums of the Tuxedo Collection in six varieties.

Class H—Lord & Burnham prize for 3 varieties of Chrysanthemums, six blooms of each. Open to private gardeners only.

Class I—Henry A. Dreer prize for 10 blooms, one variety, certificated by C. S. A. season of 1916.

Class J—Hitchings cup for 6 vases of singles, six varieties.

Class K—E. G. Hill prize for 12 blooms of Richmond.

Class L—E. G. Hill prize for 12 blooms of Whittier.

Class M—Vaughan's Seed Store prizes for six Pompons, small flowered type, and for six Pompons, size of flowers one and not over two inches in diameter.

Class N—Stumpp & Walter Co. prize for 10 blooms, introductions of 1917, not less than five varieties.

Class O—J. W. Corrigan prize for 24 blooms, 24 varieties, short stems. Open to private gardeners only.

Class P—H. E. Converse prize for 10 blooms Harry E. Converse.

Class Q—A. N. Pierson, Inc., prize for six blooms of Barbara Davis.

Class R—A. N. Pierson, Inc., prize for 10 blooms, 10 varieties.

Class S—The National Association of Gardeners' prize for six blooms, six varieties. Open to members of the N. A. of G. only.

CHAS. W. JOHNSON, Secy.

Obituary

George H. Cummings.

G. H. Cummings, secretary of the Sioux Seed & Nursery Company, Sioux City, Ia., died on October 19, as the result of an automobile accident.

Fred. O. Morrill.

Fred O. Morrill, florist, Brewer, Me., died on October 7, as the result of an automobile accident. His age was 44 years. He leaves a widow and one son.

Charles Rayner.

News has been received of the death in France of Charles Rayner, Jr., of Hill Crest, Vancouver, B. C. Mr. Rayner was serving in the British Air Squadron. He was formerly a resident of Anchorage, Ky.

Mrs. O. J. Olson.

Mrs. Olson wife of O. J. Olson of Holm & Olson, died at her home in St. Paul, Minn., on October 20, after a long and painful illness. Her husband, three sons and one daughter are left to mourn the loss of a devoted wife and mother.

Frederick S. Follwell.

Frederick S. Follwell, 67, died in his home in Pittsfield, Mass., on October 22, after a several months illness with a complication of heart and other troubles. He was born in Canterbury, Eng. November 2, 1849 and came to this country in 1885 and has been a respected resident of Pittsfield and of Lenox since that time. He engaged in the florist business in Pittsfield about 15 years ago, with

greenhouses at 811 North street. He is survived by his wife and two daughters, and a sister, Mrs. Emma Connoy of London, Eng.

Frederick Stielow, Sr.

Another of the pioneer growers passed away Oct. 25th, when Frederick Stielow, of Niles Center, Ill., succumbed under a second operation at the Columbus Hospital, Chicago. He was born in the northern part of Germany, 73 years ago, coming to this country when about 18 years of age. His first position in America was with a florist in Boston but he soon came west and settled in Niles Center, about 15 miles northwest of Chicago, where he gradually built up a fine business. For several years he has left the management to his son, Frederick, Jr. He leaves, besides his widow, four sons and four daughters. The funeral took place on Sunday, October 28th. Mr. Stielow was highly respected and had many friends.

What havoc the Celery leaf maggot is playing this year! The simple preventive I have always relied on has stood by me again, although surrounding batches are well nigh ruined. My plan is to boil a small quantity of ordinary coal tar in some water, then strain into sufficient clear water to make a spray fluid having one part by bulk of tar to fifty of water. Celery, Parsnips, Marguerites, or Chrysanthemums may be sprayed with this simple preparation, and the fly will not venture to lay its eggs where the plants have been thus treated.

—Hort. Trade Advertiser.

PUBLICATIONS RECEIVED.

Report of the College of Agriculture and the Agricultural Experiment Station of the University of California. This very interesting publication covers the period from July 1, 1916, to June 30, 1917, including the reports of directors on all phases of the state agricultural activities. A portrait of Arnold Valentine Stubenrauch, Professor of Pomology, who died in February, 1917, is given as a frontispiece.

The Twenty-Ninth Annual Report of the Massachusetts Agricultural Experiment Station, Part 1, which has just been received, is a document of 98 pages, giving reports up to January 1, 1917, of the director, details of control work and of the work of the various departments and bureaus, covering a wide field of experiment, research and instruction. If one were to judge by the report of the department of horticulture as it appears in this book, the only activity of the year consisted of experiments and investigation of orcharding problems.

The Gospel of Beauty and Intelligence in Trees, by C. S. Harrison, author of Peony, Phlox and Iris Manuals, "The Evergreens," "The Undiscovered Country," "Adorning the Beulah Land" and frequent contributor to the columns of HORTICULTURE. This 88-page pamphlet is a veritable treasury of beautiful thoughts expressed in beautiful language in the use of which the grand old man of Nebraska has few equals. One never tires of reading these gems from the pen of this master artist, and we predict for this latest offering a repetition of the popular demand which his previous efforts have enjoyed. The Gospel of Beauty, material and spiritual, has no more eloquent and devoted apostle than the gifted author of this charming book.

Fifty-Seventh Annual Report of the Board of Park Commissioners of the City of Hartford, Conn. Including the Ninth Annual Report of the Public Cemeteries, for the Year Ending March 31, 1917. A model business report, well printed on heavy paper, showing total expenditures of \$101,451.46 for general maintenance and improvements for the year. Portraits are given of Rev. James Goodwin and Lyman Bushnell Brainerd, members of the Board who have died during the year. Appreciative mention is made of the gift to the city by Superintendent George A. Parker of his invaluable library containing more than two thousand bound volumes, four thousand pamphlets and a vast collection of periodicals, newspaper clippings, etc., covering all phases of civic life and municipal government.

Sewickley Horticultural Society—Program and Handbook for the Exhibition of Flowers, Fruits and Vegetables, September 28 and 29. This very useful publication has been on the editorial desk for several weeks, together with much other deserving material which has been unavoidably side-tracked from week to week. We give it this tardy review because of its unique character and value and in recognition of the good work done for

popular horticulture by Secretary John Carman in its compilation. Success in Seed Sowing, The Art of Planting Trees and Shrubs, Garden Roses in Summer, Storage of Vegetables, The Care of House Plants, Hints for the 1918 War Garden, The Best Sweet Peas, Unusual Flowers Worth Growing, The Care of Cut Flowers, Hints on Table Decoration, Pests of House Plants—these are but a part of the many chapters devoted to really practical instruction in this 64-page pamphlet.

No better evidence could be offered to show the remarkable development of gardening interest among the leisure classes in this country than the first issue of the Journal of the International Garden Club recently published. The officers of the International Garden Club are Dr. Nicholas Murray Butler, president of Columbia University, honorary president; Mrs. Charles Frederick Hoffman, president; Dr. George Norton Miller, vice-president; Mrs. Frederick Pearson, secretary; William Turnbull, treasurer. The club house and gardens are at Bartow, Bronx, New York City. It is the intention to issue the Journal twice a year for the present. The first issue contains 288 pages of reading matter and beautiful full-page plates of garden views and flowers. A wide range of horticultural topics is covered by the contributors. There is an Introduction to Classification of Garden Tulips by A. D. Hall, M. A.; articles on Garden Design by Edward White; The History and Development of the Strawberry by E. A. Bunyard; Informal and Wild Gardening by Norman Taylor; Lawns and Their Upkeep by James MacDonald, and many other instructive chapters, including a series of nine contributions on the subject of Garden Roses by Rev. J. H. Pemberton, Jules Graveraux, W. Adams

Delano, H. R. Darlington, G. L. Paul, W. Dallmore and W. Easlea. An extensive rose garden is to be laid out at Bartow Mansion and a diagram of the proposed plan is given. The book is a notable addition to current American horticultural literature.

Saving Vegetable Seeds for the Home and Market Garden is the topic treated in Farmers' Bulletin, No. 884, of the U. S. Department of Agriculture, recently published. The author is W. W. Tracy, Sr., than whom no more competent authority on this subject could be found. Mr. Tracy, for many years before taking up his important work in the Department of Agriculture, was in charge of the trial grounds of D. M. Ferry & Co., of Detroit. Mr. Tracy, in this bulletin, calls attention to the fact that with the present urgent necessity for producing increased quantities of food, the seed supply becomes very important.

Where the seed itself is used for food the high prices have tended to throw much-needed seed stocks into the food market, and in many other cases increased plantings have drawn heavily on stocks already low on account of the cutting off of European sources of supply.

As an emergency measure, therefore, it is important that as much seed as possible should be saved on farms and in market gardens. It has been done widely in the past and can be done readily again.

This bulletin aims to give plain and explicit directions for saving the seed of our garden vegetables, tells how the supply may be increased, each variety of vegetable being taken up in detail, annuals and biennials being treated separately, and there are explicit illustrated instructions for the labeling, fumigating and storing of vegetable seeds. This useful bulletin should have a wide public distribution.

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American Seed Trade Association.

At the meeting of the Executive Committee held at the Hotel Seymour in New York City, Oct. 25th, there were present Pres. F. W. Bolgiano, Secretary C. E. Kendel, Messrs. Kirby B. White, chairman, E. L. Page, L. H. Vaughan and H. M. Earl of the Committee, and the following members of the American Seed Trade Association by invitation: Messrs. J. L. Hunt, Lem W. Bowen, C. H. Breck, Curtis Nye Smith, S. P. Landreth, Alex. Forbes, E. E. Bruggerhof, S. F. Willard and Watson S. Woodruff.

Pres. Bolgiano, upon motion, appointed Messrs. J. L. Hunt, C. C. Masie, Kirby B. White, H. M. Earl and W. G. Scarlett a committee to confer with the U. S. Food Commissioners in regard to price fixing on seed peas and beans, to which committee all such matters are expected to be referred. Chicago was chosen for the next convention, which will be held June 18-20, 1918. Motion was carried to invest all available funds of the Association in Liberty Loan Bonds. Suggestions for topics on the program for the convention are invited by the President. C. E. KENDEL, Sec'y.

Peas and beans seem to be one of the chief worries of the seedsmen just now. This quart and pound stuff does not seem to count for much. They'll be putting them on a string and selling them by the dozen if things keep on. G. C. W.

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Louisville, Ky.—Jacob Schulz Co., branch store at Camp Taylor.

Salem, O.—Mrs. Gertrude Mundy, removing to 10 W. Main street.

Fall River, Mass.—Geo. E. Lindeman, removed to 1509 Pleasant street.

Council Bluffs, Ia.—Herman Bros., Co., Inc., removing to 545 West Broadway.

NEWS NOTES.

Dundee, Ill.—George Sawyer has sold his greenhouses to F. E. Plagge, of Elgin.

St. Louis — The National Flower Show will open its office this week at Commercial Building, J. J. Beneke in charge.

Holbrook, Mass.—Charles L. Pierce, who conducted a florist business on North Franklin street, has moved his family to Bristol, Conn.

Providence, R. I.—Wm. E. Chappell, secretary of the Florists' and Gardeners' Club of Rhode Island, who has been ill for a long time, is gradually improving but is not yet able to attend the meetings. His last appearance was on February 22.

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Bangor, Me.—Adam Sekenger, 32 New-
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Boston—Thos. F. Galvin, 1 Park St.
Boston—Penn the Florist, 124 Tremont St.
Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.
Chicago—William J. Smyth, Michigan
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Cleveland, O.—J. M. Gasser Co., Euclid
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Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.
Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017
Grand Ave.

Los Angeles, Calif.—Howard & Smith,
853 So. Olive St.

New London, Conn.—Reuter's.
New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.
New York—Young & Nugent, 42 W. 28th.
New York—A. T. Bunyard, 413 Madison
Ave., at 48th St.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—Max Schling, 22 W. 59th St.
New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

New York—Kottmiller, 426 Madison Ave.
and 49th St., also Vanderbilt Hotel.

Norwich, Conn.—Reuter's.
Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Providence, R. I.—Johnston Bros., 38
Dorrance St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Louis, Mo.—F. H. Weber's, N. E. corner
of Taylor and Olive Sts.

St. Paul, Minn.—Holm & Olson, Inc.
Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—George H. Cooke,
Connecticut Ave. and L St.

Westerly, R. I.—Reuter's.
Worcester, Mass.—Randall's Flower Shop,
22 Pearl St.

Send Telegraph, Telephone or Mail orders
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Howard & Smith
853 SO. OLIVE ST.
Los Angeles, Calif.

Every Order sure to receive
prompt and careful attention.

REUTER'S Members Florists'
Telegraph
Delivery

STORES IN

New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between
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NOTICE INITIALS. We have one store only

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Euclid Avenue

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
8-10 West Adelaide St. - TORONTO, ONT.
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Flowers or Design Work
DELIVERED IN ALBANY AND VICINITY
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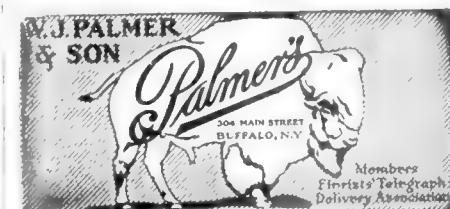
"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

The Park Floral Co.

B. E. GILLIS, President.
E. P. NEIMAN, Secretary.
Members Florists' Telegraph Delivery.
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KERR ORDERS FOR TEXAS
HOUSTON, TEXAS
The Florist Member F. T. D. Association

BOXWOOD

\$15 per 100 lbs.

The small or large leaf variety. The best we have ever handled. Let us book your order now.

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Phone No. Spruce 889

OUR SPECIALTIES

Roses, Gardenias, Orchids, Plumosas, Adiantum, String Smilax, etc.

SPECIAL OFFER, THIS WEEK ONLY

No. 1 Fresh Cut Roses, Short Stems, Suitable for Design
Week, \$15.00 per 1,000, assorted.

No. 2 \$20.00 per 1,000, assorted.

No. 3 Assorted Roses, Our Selection, 500 lots.....\$15.00

No. 4 " " " " 1000 " 27.50

No. 5 " " " " 500 " 20.00

No. 6 " " " " 1000 " 35.00

No. 7 " " " " 500 " 30.00

No. 8 " " " " 1000 " 55.00

These Special Offers Include Maryland, Ophelia, Sunburst, Prima Donna, Double White Killarney, Shawyer, Ward and Richmond. All Shipments at YOUR RISK.

When Ordering, Give Number and Quantity Required. Trial Order Solicited.

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1619 - 21 Ranstead St., Philadelphia, Pa.
CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

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Wired Toothpicks

Manufactured by

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10,000...\$2.00. 50,000...\$8.75. Sample free.
For sale by dealers.

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Please mention Horticulture when writing.

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Consignments Solicited

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264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service

ZECH & MANN

We are Wholesale Florists Doing
a Strictly Wholesale Business

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POEHLMANN BROS. CO.

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If interested, send us your name and address for our weekly price list

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Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere

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Telephone, Main 6267-6268

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Nov. 1		ST. LOUIS Oct. 22		PHILA. Oct. 29	
Roses						
Am. Beauty, Special	25.00	to 30.00	30.00	to 40.00	30.00	to 35.00
" " Fancy and Extra	6.00	to 20.00	20.00	to 30.00	12.00	to 15.00
" " No. 1 and culls	1.00	to 6.00	5.00	to 10.00	5.00	to 10.00
Russell, Euler, Mock	1.00	to 6.00	8.00	to 20.00	3.00	to 15.00
Hadley	1.00	to 6.00	8.00	to 12.00	2.00	to 10.00
Arenberg, Hoosier Beauty	1.00	to 6.00	.....	to 6.00	2.00	to 8.00
Ward	1.00	to 6.00	3.00	to 6.00	2.00	to 8.00
Killarney, Radiance, Taft	1.00	to 6.00	3.00	to 10.00	2.00	to 10.00
Ophelia, Sunburst, Hillingdon	1.00	to 6.00	3.00	to 10.00	1.50	to 3.00
Carnations	1.00	to 2.50	3.00	to 4.00	1.50	to 3.00
Cattleyas	40.00	to 50.00	.....	to 75.00	25.00	to 50.00
Dendrobium formosum	.....	to 50.00	.....	to 50.00	50.00	to 60.00
Lilies, Longiflorum	6.00	to 8.00	.....	to 12.50	10.00	to 18.00
Lilies, Speciosum	6.00	to 8.00	.....	to 10.00	3.00	to 6.00
Lily of the Valley	8.00	to 10.00	.....	to 8.00	5.00	to 10.00
Snapdragon	1.00	to 3.00	.....	to 2.00	2.00	to 8.00
Bouvardia	1.00	to 2.00	.....	to 2.00	2.00	to 3.00
Violets	.35	to .50	.35	to .50	.25	to .50
Chrysanthemums	4.00	to 8.00	8.00	to 20.00	4.00	to 20.00
Sweet Peas	.....	to .50	.....	to 1.00	1.00	to 3.00
Marguerites	1.00	to 3.00	.....	to 1.00	.50	to 1.00
Gardenias	20.00	to 35.00	.....	to 25.00	25.00	to 35.00
Adiantum	1.00	to 1.25	.....	to 1.00	.50	to .75
Smilax	8.00	to 12.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	35.00	to 50.00	25.00	to 35.00	25.00	to 50.00

WILLIAM F. KASTING Co.

Wholesale Florists

568 570 WASHINGTON STREET - BUFFALO, N. Y.

J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

Beechwood Heights Nurseries

Importers and Growers of

ORCHIDS

Cut Flowers of All the Leading Varieties
in their Season.

THOMAS YOUNG, Jr., Proprietor
BOUND BROOK, N. J.

Flower Market Reports

BOSTON The flower market has been uniformly depressed all week. Chrysanthemums of high and low degree are accumulated on all sides and their numbers are increasing daily. Roses are also in heavy crop, as for the past several weeks and carnations have now joined them in the surplus class, the latter being practically unsalable at any figure and many being consequently a total loss. Single violets are superb, equal to the best midwinter product. Cattleyas are seen in greater abundance and lilies on the other hand are not so plentiful as they have been.

CHICAGO The past week has been uneventful and the market is neither very weak nor very strong. There being no great quantity of stock, everything except chrysanthemums is easily disposed of. The week-end trade was generally satisfactory and the last Monday in the month brought the usual shipping orders from New Orleans and other southern points for All Saints' Day and All Souls' Day. This was followed by a day when nothing was in demand. Chrysanthemum season is at its height, but the western stock is still coming and the local blooms have to compete with those from the Pacific coast. Roses are more plentiful but are not in excess of demand. Carnations remain scarce. Violets are offered and a limited amount sell. Lilies are not in heavy supply but a sufficient number are coming to take care of the trade. Miscellaneous stock limited. There seems to be an abundance of good green.

Retailers report a fair amount of business. **CLEVELAND** Roses and chrysanthemums are about all there is to offer the public at present and these are bringing good prices. Violets find a ready sale. Wholesalers report a slump in business in the past week, being about one-third its previous volume. Roses seem to be piling up in some houses. Chrysanthemums, including pompons, are plentiful and bringing good prices. Carnations are slow coming in.

There is not much to be said concerning the flower market situation this week. It is stagnated still and will in all probability be barren of any special developments for some time yet. Nothing but praise can be said of the quality of the flowers coming in daily. Chrysanthemums, roses, cattleyas, violets, all are of unimpeachable excellence but sales of any magnitude are made with difficulty as a rule and the wholesaler is glad to make concessions rather than to let a possible customer get away empty-handed. So the actual returns to the growers are low, unavoidably. The wise heads look for a period of famine, however, later on, when things will undoubtedly average up.

Rather slow here **PHILADELPHIA** last week, especially in the early part. At the week end things perked up a little and the clean-up was fairly good, although at very low prices.



SWEET PEAS

Wonderful quality, just as fine as the cuts later in the season and good long stems, too, in whites, light pinks, with a few cerise and lavender at

\$1.50, \$2.00, \$3.00 per 100

POMPONS

Per doz. bunches \$2, \$3, \$4, \$5

Office Hours

7 A. M. to 5.30 P. M.

S. S. PENNOCK COMPANY

The Wholesale Florists of Philadelphia

NEW YORK
117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.
WASHINGTON, 1216 H. St., N. W.

BALTIMORE
Franklin & St. Paul Sts.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Oct. 29	CHICAGO Oct. 29	BUFFALO Oct. 27	PITTSBURG Oct. 29
Roses				
Am. Beauty, Special	25.00 to 30.00	25.00 to 30.00	25.00 to 30.00	..... to 26.00
" " Fancy and Extra	15.00 to 20.00	15.00 to 20.00	20.00 to 25.00	15.00 to 20.00
" " No. 1 and culls	8.00 to 12.00	8.00 to 10.00	3.00 to 5.00	6.00 to 12.00
Russell, Euler, Mock	5.00 to 15.00	4.00 to 20.00	3.00 to 12.00	6.00 to 15.00
Hadley	..... to 10.00	..... to 10.00	5.00 to 10.00	..... to 10.00
Arenberg, Hoosier Beauty	4.00 to 10.00	3.00 to 12.00	5.00 to 10.00	..... to 10.00
Ward	4.00 to 8.00	3.00 to 10.00	3.00 to 5.00	4.00 to 10.00
Killarney, Radiance, Taft	3.00 to 8.00	3.00 to 10.00	2.00 to 8.00	4.00 to 10.00
Ophelia, Sunburst, Hillingdon	4.00 to 12.00	3.00 to 12.00	3.00 to 8.00	4.00 to 10.00
Carnations	..... to 3.00	3.00 to 4.00	1.00 to 3.00	3.00 to 4.00
Cattleyas	..... to 75.00	60.00 to 75.00	40.00 to 50.00	60.00 to 75.00
Dendrobium formosum	..... to 10.00	..... to 10.00	..... to 10.00	..... to 10.00
Lilies, Longiflorum	..... to 12.50	10.00 to 19.00	8.00 to 12.00	..... to 12.00
Lilies, Speciosum	..... to 10.00	..... to 10.00	4.00 to 6.00	..... to 10.00
Lily of the Valley	..... to 7.00	4.00 to 6.00	4.00 to 8.00	..... to 10.00
Snopdragon	4.00 to 6.00	..... to 10.00	3.00 to 5.00	2.00 to 4.00
Bouvardia	..... to 10.00	..... to 10.00	..... to 10.00	..... to 10.00
Violets	.50 to .75	.75 to 1.00	.50 to .75	.50 to .75
Chrysanthemums	8.00 to 25.00	5.00 to 25.00	6.00 to 25.00	6.00 to 35.00
Sweet Peas	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.00
Marguerites	..... to 1.00	..... to 1.00	1.00 to 1.50	.50 to 1.00
Gardenias	..... to 1.00	..... to 1.00	..... to 1.00	..... to 1.00
Adiantum	..... to 1.00	..... to 1.00	1.00 to 1.25	.75 to 1.25
Smilax	..... to 15.00	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00
Asparagus Plu. & Spreu. (100 Bhs.)	25.00 to 35.00	25.00 to 50.00	35.00 to 50.00	35.00 to 50.00

The usual debutante season has not materialized this year, and that means a lot to the flower trade. The girls are all on deck, and anxious to be introduced as of yore but the boys are all at the front or in camp. So what's the use of a debou to the poor lassie if she has no lad to boo to!

The market is heavily stocked with chrysanthemums, which have all come in together this year and consequently are not making such good figures as they should. Pompons are in good demand. Roses are good but are also too plentiful. The supply of carnations is very small. Violets are exceptionally fine and sell fairly well.

Lilies are not very plentiful but the demand is not strong. Good pot chrysanthemums sell good. A quantity of oak foliage is being used, which makes the sales of asparagus lighter. Smilax sells well and is of good quality. Cypridiums and cattleyas of high degree are in.

Chrysanthemums are in good supply. During the past week yellow have been the more plentiful. Carnations are now coming in great shape and violets are improving in size and color. Greens are plentiful. The Dry Goods Floral Departments all had special sales for Saturday. They are selling at small profits, but this to a great extent keeps down the glut.

H. BAYERSDORFER & CO. Manufacturers and Importers

1129 Arch St. PHILADELPHIA, PA.

Fall Novelties Now On Display

New Show Rooms Added

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Choice Cut Flowers
New Address, 143 West 25th St., NEW YORK
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Wholesale Commission Florists
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WHOLESALE FLORIST
109 WEST 28th ST
CONSIGNMENTS SOLICITED
PHONE 608 FARRAGUT
609 NEW YORK

IMMORTElLES Fresh from France
Per doz bunches, \$3.00; per case,
125 bunches of one color, \$28.00.
JAPANESE FIBRE ROPING Per
ball, \$7.00; per case, \$60.00.
FLORISTS' SUPPLIES AND
GREENS.
THE KERVAN CO. 119 W. 28th St.
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WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
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M. C. FORD
121 West 28th St., NEW YORK
FINE ROSES, FANCY CARNATIONS
A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

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Wholesale Commission Florists
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We Solicit Consignments of New
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Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

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COMPANY, Inc.**
103 W. 28th Street, NEW YORK
EVERYTHING FOR THE FLORIST

WHOLESALE
FLORISTS
St. Young & Co.
34 West 28th St. New York
Consignments Solicited

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WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS
A full line of Choice Cut Flower Stock for all purposes.
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2089 FARRAGUT 131 West 28th St., NEW YORK CITY

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THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY
SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US
Prices Right. Consignments Solicited. Telephone Connection

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WHOLESALE FLORISTS
55-57 West 26th Street
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MAURICE L. GLASS, Treasurer Consignments Solicited

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us
FANCY GRADE ORCHIDS, SEPTEMBER MOON, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.
GUTTMAN & RAYNOR, Inc., Wholesale Florists
Phones: Farragut 558, 2036 and 2037 111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only

	Last Half of Week ending Oct. 27 1917		First Half of Week beginning Oct. 28 1917	
ROSES AND CARNATIONS				
American Beauty, Special	15.00	11	30.00	15.00
" " Fancy and Extra	10.00	11	2.00	10.00
" " No. 1 and culls.	2.00	11	6.00	2.00
Russell, Euler, Mock.	2.00	11	8.00	3.00
Hadley	2.00	11	12.00	2.00
Arenberg, Hoosier Beauty.	1.00	10	4.00	1.00
Ward	1.00	11	4.00	1.00
Killarney, Radiance, Taft	1.20	11	4.00	1.00
Opheia, Sunburst, Hillingdon.	1.00	11	8.00	1.00
Key	2.10	10	10.00	2.00
Carnations	2.00	10	4.00	2.00

GROWERS' CUT FLOWER COMPANY
WHOLESALE FLORISTS
129 West 28th Street
Tel. 6237
3563 Farragut
E. J. VAN REYPER, Mgr.

WALTER F. SHERIDAN
Wholesale Commission Dealer in
CHOICE CUT FLOWERS
133 West 28th Street, New York
Telephone—3532-3533 Madison Square

JOSEPH S. FENRICH
WHOLESALE FLORIST
LILIES EVERY DAY
51 W. 28th Street, New York
Telephones, 420-421-422 Mad. Sq.

Frank H. Traendly Charles Schenck
TRAENDLY & SCHENCK
Wholesale Florists
436 6th Avenue, Between 26th and 27th Sts., New York
Telephones: 797, 798, 799 Farragut
Consignments Solicited

HERMAN WEISS
WHOLESALE FLORIST
Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.
130 West 28th Street, Tel. Farragut 624,
NEW YORK.

Visitors' Register

Cleveland, O.—Leo Human, New York.

Kansas City, Mo.—Philip J. Foley, Foley Greenhouse Mfg. Co., Chicago.

Columbus, O.—H. C. Neubrand, repr. A. N. Pierson, Inc., Cromwell, Conn.

New York—J. F. Sullivan, Detroit, Mich.; C. E. Kendel, Cleveland, Ohio; F. J. Dolansky, Lynn, Mass.; Robert Spiers and Robert Scott, Pittsfield, Mass.

Boston—H. A. Barnard, repr. Stuart Low & Co., Enfield, Eng.; Walter Gott, St. Albans, England; Frank Sealey, repr. Julius Roehrs Company, Rutherford, N. J.

Philadelphia—Alfred Cartledge, Wilmington, Del.; H. L. Holmes, Harrisburg, Pa.; James M. Thoires, Camden, N. J.; George Heck, Sr. and Harry Heck, Wyomissing, Pa.; Chas. Johnson, Denaliffe & Son, France.

BACK TO THE STONE AGE.

A rumor comes from Washington that the War Board is to put an embargo on the buying or selling of flowers. We don't believe it. This idea is sillier than the "crazy hysterics" which resulted in the digging up of expensive lawns and pleasure grounds for potato patches. Why not as well put an embargo on barbers? We could all shave at home and save money. And so on *ad. fin!* we could get along without collars and cuffs and neckties and use nails for buttons. And newspapers are an expense and mostly a waste of time. So are the clergy, and the professors, and the congressmen. Let us embargo everything—and go back to the stone age!

The glass men, the iron men, the builders and all the multitude of subsidiary interest would of course be ruined by such a stoppage of a staple industry and there would be a crop of bust-ups in the horticultural world such as never before has been known. When you ruin a basic proposition like Agriculture, Horticulture, Arboriculture and all that flows from them you strike the mortal blow to modern civilization.

GEORGE C. WATSON.

CLEVELAND.

Cleveland is becoming quite a center for willow baskets since the supply was cut off from Germany. W. Q. Potter Co., have begun their manufacture.

A. C. Kendel, secretary treasurer of the Seed Trade Association, while in New York visited the docks at Hoboken and saw something like ten acres of warehouse space piled high with bulbs and the shipping facilities practically swamped. To add to the situation traffic conditions between New York and Cleveland are such that shipments are not expected for several weeks after they are shipped.

Shipments of Christmas roping are beginning to arrive. Since the trade in this material has been cut off from Germany, Japan has taken a leading

Let's Look At It From the Dollar Viewpoint

That's the only way you're apt to look at the purchase of your BOXWOOD SPRAYS this season. 16 ounces of good clear VIRGINIA SPRAYS—dwarf or tree variety to a pound—every spray usable material.

Our light method of packing will save you expressage. We ship to all points.

50 Pounds for \$7.50

PITTSBURGH CUT FLOWER COMPANY

116-118 Seventh Street - - - - - PITTSBURGH, PA.

IF you want anything from Boston get it from Henry M. Robinson & Co.

We are on the job at all hours of the day, from 6 A. M. to 7 P. M.

We carry the largest line of Supplies in New England and also the best flowers from over one hundred of the leading growers in New England. You can always Depend for SERVICE, PRICE AND QUALITY.

For Safety Place Your Orders With Us

HENRY M. ROBINSON & CO.

2 Winthrop Square and 32 Otis Street, BOSTON, MASS.

J. K. ALLEN

SERVING THE TRADE AS WHOLESALE COMMISSION FLORIST FOR OVER THIRTY YEARS.

I have room now for a few more regular shippers of good flowers. I have a steady market for all varieties. Make a start now for the coming season.

118 West 28th St.

NEW YORK

TELEPHONES
Farragut 167 and 3058

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Oct. 27 1917		First Half of Week beginning Oct. 29 1917	
Cattleyas	15.00	to 35.00	15.00	to 35.00
Dendrobium formosum	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum	4.00	to 8.00	4.00	to 8.00
Lilies, Speciosum	2.00	to 3.00	2.00	to 5.00
Lily of the Valley	3.00	to 8.00	3.00	to 8.00
Snape dragon	1.00	to 2.00	1.00	to 2.00
Bouvardia	.....	.....	1.00	to 2.00
Violets	.25	to .50	.25	to .40
Chrysanthemums	8.00	to 25.00	6.00	to 20.00
Sweet Peas	.....	.....	.....	.....
Marguerites	1.00	to 2.00	1.00	to 2.00
Gardenias	20.00	to 30.00	20.00	to 30.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, & Spreng (100 bunches)	15.00	to 25.00	15.00	to 30.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

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111 W. 28th St., NEW YORK

D. J. Pappas, Pres.

CONVENTION VISITORS WELCOME

J. J. COAN, Inc.

HIGH CLASS FLOWERS.

ALL THE STANDARD STOCK.

THE PRODUCT OF THE LEADING GROWERS.

NOVELTIES AND UNUSUAL VARIETIES A SPECIALTY.

Consignors of Good Stock for the New York Market Please Call or Write

115 W. 28th Street

NEW YORK

TELEPHONES
Farragut 5413 or 5891

place in its manufacture. Japanese dyes, however, seem to be inferior, and the best results have been obtained on material dyed in New York, the roping coming from Japan white. The freight rate on this material from Japan is very high, amounting to 38 cents a ball.

FLOWER GROWERS

I have a good wholesale market for Pansies, Violets, Carnations and all other stock of quality.

Regular Shipments Solicited

B. S. SLINN, Jr.

55 and 57 W. 26th Street, NEW YORK

Local and General News

BOSTON.

By the will of Mrs. R. D. Evans the sum of \$25,000 is bequeathed to the Arnold Arboretum.

L. L. O'Brien is about to remove to a new and very spacious store at the corner of Beacon and Charles streets. A. L. Bock in charge. On Wednesday, November 7, the formal opening will take place.

Archibald Murray succeeds Alex. Montgomery as manager of the Waban Rose Conservatories at Natick, Mass. Mr. Murray has been a valued assistant to Mr. Montgomery for a number of years and his appointment seems a proper recognition. Mr. Montgomery will make his home henceforth in Hadley, Mass.

The office of Horticulture was cheered as well as honored by a call from Harry A. Barnard, representative of Stuart Low & Co., Enfield, Eng. Mr. Barnard is just completing his annual tour of the U. S. and Canada and will soon be on his way homeward through the submarine zone which we hope he will traverse unmolested. He states that while he found trade somewhat depressed in this country yet he was sufficiently successful to justify feeling glad that he had come over. He has a portfolio of paintings of new hybrid orchids which make an orchid fancier's mouth water.

The annual meeting of the Boston Flower Exchange was held on Saturday evening, October 27, at Young's Hotel. As has been the custom the meeting was held at the festive board, but this being the twenty-fifth anniversary of the founding of the corporation the ladies were invited for the first time and judging from the unanimity of approval the ladies will hereafter have the right of way. About 175 were in the party and altogether it was one of the happiest and most blithesome and patriotic social gatherings ever held in Boston. Other than an optimistic congratulatory and witty address by President Stickel and some reciprocally appreciative remarks by Wm. H. Elliott, president of the rival flower market, there were no speeches, the time being acceptably filled with singing by The Lotus male quartette and recitations by a very accomplished lady impersonator, an innovation which seemed to meet with unanimous commendation.

During the interim between the banquet and the entertainment the annual proceedings took place. The treasurer's report showed the corporation to be about \$4,000 richer than one year ago, this including two \$1,000 Liberty Bonds. The organization has paid about 40 per cent a year to the stockholders since its formation. The entire list of directors was re-elected by a unanimous vote, the name of Charles E. Holbrook being added.

The list of Directors is as follows:

Wm. C. Stickel, A. Christensen, L. W.

CLASSIFIED DIRECTORY

Advertisements in this Department, Ten Cents a Line, Net

BULBS

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK BRANCH, 8-10 Bridge St.

CANARIAN PLANTS

Carnation Plants, Field Grown, 100
White Enchantress, 200 White Wonder, 150
Harry Fenn, seconds, \$4.00 per 100 cash.
CHAS. H. GREEN, Spencer, Mass.

CARNATION STAPLES

Split carnations quickly, easily and
cheaply mended. Pillsbury's Carnation
Staple, 1000 for 35c.; 3000 for \$1.00 post-
paid. I. L. PILLSBURY, Galesburg, Ill.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell.
Stock For Sale.
JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or
Spring delivery. Wholesale and Retail.
Send for Catalog. NORTHBORO DAHLIA
& GLADIOLUS GARDENS, J. L. Moore,
Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker,
Newest, Handsomest, Best. New color, new
form and new habit of growth. Big stock
of best cut-flower varieties. Send list of
wants to PEACOCK DAHLIA FARMS,
Berlin, N. J.

DAISIES

Daisies (Bellis) Monstrosa, white and
pink, also Longfellow and Snowball. Thinly
sown field-grown seedlings, \$2.50 per 1000,
\$11.50 per 5000, cash.

BRILL CELERY GARDENS,
Kalamazoo, Mich.

MISCELLANEOUS STOCKS

Aspidistras, green and variegated, from
6 in. to 10 in. pots. Adiantum Cuneatum
from bench, large clumps. Vinca variegata,
heavy field plants. Write for prices.

WILLIAM CAPSTICK,
Auburndale, Mass.

GOLD FISH

Gold fish, aquarium plants, snails, cas-
tles, globes, aquarium, fish goods, nets,
etc., wholesale. FRANKLIN BARRETT,
Breeder, 4815 D St., Olney, Philadelphia,
Pa. Large breeding pairs for sale. Send
for price list.

Mann, S. J. Goddard, A. S. Parker, C. L.
Palme, Herman H. Bartsch, Aubrey A. Pem-
broke and Chas. E. Holbrook.

CHICAGO.

Miss L. A. Tonner left for Bacon-
ville, Ga., last week to look after her
pecan grove. The crop is said to be
very small this year.

Mrs. Marie H. Henkel has opened a
new store in Rogers Park, at 7359
Greenview Ave., bearing the name of
The Chrysanthemum Shop.

News of the death of Fred Stielow,
Sr., of Niles Center, was received with
regret by his many friends. The
funeral occurred Sunday. Account of
his life will be found on another page.

Chas. McKellar is about restored to
health again and able to be regularly
at his store. The usual display of
pumpkins from the McKellar farm
is being transformed into offerings
suitable to Hallowe'en devotees.

Thos. Cooney, one of the most skill-
ful workers of the Foley Greenhouse
Mfg. Co., was struck by an automobile
Oct. 25th while waiting for a street
car near his home at Kedzie Ave. and
30th St. He was taken to St. An-
thony's Hospital, where his leg was

GLASS

Greenhouse glass, lowest prices. JOHN-
STON GLASS CO., Hartford City, Ind.

PANSY PLANTS

Pansy Plants, Strong and stocky. Strains
unsurpassed by any for Size of Bloom or
Color. \$2.50 per 1000, \$11.50 per 5000.
Cash Satisfaction or your money back.
BRILL CELERY GARDENS,
Kalamazoo, Mich.

PANSY SEED

PANSY PARK PERFECTION

Is a mixture of over 50 thoroughbred va-
rieties of show and fancy pansies. It con-
tains every giant variety known with many
shades of red, bronze and new fancy va-
rieties in large numbers, and all the colors
in the right proportion for the retail trade.
Hundreds of my customers say it is the
best they ever had in size of blooms, great
variety of colors and other respects. Send
for my descriptive price-list containing
testimonials to this effect from leading
florists in all sections of the country.
Pansies a specialty for nearly 50 years. I
have an immense stock of hardy field-
grown plants, the stockiest and best that
can be grown. L. W. GOODELL, Pansy
Park, Dwight, Mass.

PEONIES

Peonies. The world's greatest collection,
1200 sorts. Send for list. C. BETSCHER,
Canal Dover, O.

ROSES

Roses, Canas and Shrubs. THE
CONARD & JONES COMPANY, West
Grove, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and
orchid baskets always on hand. LAGRE
& HURRELL, Summit, N. J.

VINES

Flowering and Foliage Vines, choice
collection. Large Specimen, Pot and Tub
grown for immediate effect; also Climbing
Roses. J. H. TROY, Mount Hissarik Nur-
sery, New Rochelle, N. Y.

WIRE WORK

WILLIAM E. HEILSCHER'S WIRE
WORKS, 264 Randolph St., Detroit, Mich.

amputated above the knee. No one
can understand how he escaped in-
stant death, for the car, which was
driven by a young lady, struck a large
telephone pole just behind Mr. Cooney
with such force as to break it. The
driver tried to escape but was caught
and arrested.

PHILADELPHIA.

S. S. Pennock has returned from a
visit via auto to his son Charles, who
is taking a course in horticulture at
Cornell.

The office of the secretary of the
Florists' Club of Philadelphia, Fred
Cowperthwaite, is now at 530 Widener
Building, care Lord & Burnham Com-
pany, Phila.

The coal situation seems to bother
a lot of the growers around these
parts. Ready money may mean some-
thing with some, but the great ma-
jority have the cash in their hands
and yet they can't get their winter's
supply. Some who started last May
seem to be all right. Where is the
coal going to? They say they are
producing thirty per cent more at the
mines than ever before. Looks like
another hold up—like the Louisiana
sugar deal.

PLAY SAFE—USE

VITRIO

Insecticides and Fungicides

YOU can't afford to take chances on the Insecticide or Fungicide you use. You have to be sure that it will do what you bought it to do. Use the Vitrio Brand Kind and be sure. Every Vitrio Brand Insecticide and Fungicide notches right up to the rigid quality Standard of the Nitrate Agencies Co. Every ingredient guaranteed.

Send for prices on any or all of those listed below.

VITRIO-BORDO (Paste)
Specially compounded Bordeaux Mixture.

VITRIO-BORDO (Powdered)
Same as above in Powdered form.

ARSENATE OF LEAD POWDER
30-33% Arsenic Oxide.

ARSENATE OF LEAD PASTE
15% Arsenic Oxide.

PARIS GREEN (Pure) VITRIO
Combination of our Special Bordeaux and Arsenate of Lead.

BLUE VITRIOL 99% PURE
Large Clear Blue Crystals.

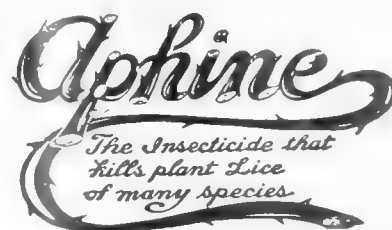
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(Usually sold as "Whale Oil Soap")

Send for our Spraying Calendar.

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NITRATE AGENCIES



103 PEARL ST. COMPANY NEW YORK



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

FUNCINE

For mildew, rust and other blights affecting growers, fruits and vegetables.

Quart, \$1.00; Gallon, \$3.50.

VERMINE

For eel worms, angle worms and other worms working in the soil.

Quart, \$1.00; Gallon, \$3.00.

SOLD BY DEALERS.

Aphine Manufacturing Co.
MADISON, N. J.



Sold by Seed Dealers and Used in
New England 35 Years

Hammond Insecticides used by Florists and Gardeners for generations, and before this our paint was used on Hot Houses because it did not wash off. Twemlow's Putty is unexcelled.

Send for Pamphlets or information regarding your needs.

HAMMOND'S PAINT & SLUG SHOT WORKS
Beacon, N. Y., U. S. A.
OUR PRODUCTS SOLD BY SEED DEALERS



Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard insecticide will prevent ravages on your crops by insects.

Non poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses. Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c.; Pint, 40c.; Quart, 75c.; Gallon, \$1.25; 5 Gallon, \$2; 10 Gallon Can, \$17.50. Directions on package.

LEMON OIL COMPANY
Dept. S. 420 W. Lexington St., Baltimore, Md

USE WIZARD BRAND
CONCENTRATED PULVERIZED MANURE

Pulverized or Shredded
Cattle Manure
Pulverized
Sheep Manure

The Florists' standard of uniform high quality for over ten years. Specify: **WIZARD BRAND** in your Supply House order, or write us direct for prices and freight rates.
THE PULVERIZED MANURE CO.
34 LaSalle Stock Yard, Chicago



NIKOTEEN
For Spraying
APHIS PUNK
For Fumigating
Ask Your Dealer for it
NICOTINE MFG. CO.
ST. LOUIS

ROCHESTER, N. Y.

Chas. Sharp has been confined to his home for several days with a bad cold.

Most of the florists are receiving their Dutch bulbs in the proportion of about 50 per cent. of last year's. Dealers report a very brisk business in bulbs, although they have arrived late.

Bert A. Pemberton has been presented with the Red Cross Medal, having passed the advanced course in First Aid to the Injured in an examination last August. He is employed at the Wilson Floral Co.

North Wales, Pa.—Fred Foulds has closed his greenhouses.



Use N. A. C. Products for more profitable results. Send for prices on our complete list of Fertilizers and Insecticides.

HORTICULTURAL DEPT.,
Harry A. Bunyard, Mgr.
NITRATE AGENCIES CO.
106 Pearl St., New York

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Pot Makers for a
Century and a Half**NEWS****STRONG
RED
POROUS****POTS**

Inc. 1904

World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**MASSACHUSETTS AGRICULTURAL
COLLEGE.**

The M. A. C. Florists' Club opened the season last Tuesday evening with its first meeting and a banquet. Prof. A. G. Hecht made a vigorous speech to the students urging them to more activity and a bigger and more successful club than ever. Although the war made and is making great inroads on the student body, everyone felt that this year was to be even more active because of the shortening of the terms. It was planned to have a series of lectures by prominent members of the trade. The first lecture of the series is to be given Tuesday evening by Aubrey Butler of Northampton. The total enrollment of students is a little over half that of last year. This fact alone certainly tells the story of what "Old Bay State's Loyal Sons" have done in the country's hour of trial. "Aggie" sons are to be found in every branch of the army, navy, air and Red Cross Service. Harry Lydiard is in the Collegiate Balloon School, Rockville, Conn., and recently landed in Amherst, much to the surprise of his friends. Harold Pratt is with Sam Goddard at Framingham. John Cadarelli has left Pierson's at Cromwell, Conn., to take up the sword for Uncle Sam.

The Annual Fall Flower Show has been postponed until spring, because of the late opening of the college and the scarcity of material. Plans are under way for the enlarging of the perennial gardens. The various species of each genera will be grouped together and, while this had been the plan hitherto, it is to be more rigidly carried out.

C. E. Wildon has taken up his work again after a strenuous summer as supervisor of gardens of Springfield and superintendent of the Flower Show, Eastern States Exposition. Mr. Wildon also wishes to express his appreciation of the co-operation of the florists at the exhibition, especially commending Pierson's, Cromwell, Conn.; George Walker, North Dighton; George H. Sinclair, and Gallivan Bros., Holyoke; Butler & Ullman, Northampton.

BUSINESS TROUBLES.

Peoria, Ill.—D. U. Augspurger & Sons Co., wholesale and retail florists, voluntary petition in bankruptcy; assets, \$10,000, liabilities, \$10,500.

**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles of the Capital, write us; we can save you money.

W. H. ERNEST
39th & M Sts., Washington, D. C.**CATALOGUES RECEIVED.**

D. Hill Nursery Co., Dundee, Ill.—Fall 1917 Wholesale Trade List for Nurserymen, Florists, Seedsmen, Dealers, Landscape Architects. Strong on conifers.

Joseph Breck & Sons, Boston—Autumn Catalogue of High Grade Bulbs for 1917. A well arranged and attractive publication with plenty of excellent half-tone illustrations.

Eastern Nurseries, Holliston, Mass.—Wholesale Trade List for Fall, 1917. This enterprise is part of the estate of the late Jackson Dawson, and Henry S. Dawson is manager, which is a good guarantee that the stock offered is up to date in the finer varieties of choice garden material.

Princeton Nurseries, Princeton, N. J.—From its exterior one would never imagine the wholesale catalogue of this new enterprise to be a catalogue but rather an attractive magazine. Illustrations throughout are on a scale and quality rarely found in wholesale catalogues. The lists are quite complete.

R. Vincent, Jr., & Sons Company, White Marsh, Md.—1918 Wholesale Price List of Greenhouse and Bedding Plants. Nothing slow about Messrs. Vincent. This is the first of the 1918 catalogues to come to our notice and it is a good one, admirably arranged, well printed and overflowing with the very latest and best varieties of dahlias, geraniums and other specialties of this well-known firm of plant growers for the trade.

**GREENHOUSES BUILDING OR CON-
TEMPLATED.**

Lancaster, Pa.—A. M. Herr, rebuilding.

Thornton, R. I.—James Carillo, house 20 x 90.

Providence, R. I.—Pasquale Corra, 55 Cumberland street, house 20 x 100.

Providence, R. I.—M. B. Saunders Co., 638 Public street, house 24 x 55.

Lake Forest, Ill.—Clyde M. Carr, conservatory, Foley Greenhouse Mfg. Co.

Providence, R. I.—Henry Doll, Charles street, carnation house, completed.

Columbus, O.—Carl Huber, Lockbourne road, house 21 x 100, completed.

Detroit, Mich.—L. W. Schimmel, conservatory, by Foley Greenhouse Mfg. Co.

St. Joseph, Mo.—John Hochenbauer, Pryor avenue and Cherokee street, house 25 x 125.

MASTICAFor Greenhouse
Glazing
USE IT NOW**F.O. PIERCE CO.**12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass more easily removed without breaking of other glass as occurs with hard putty. Lasts longer than putty. Easy to apply.

**Dreer's Peerless
Glazing Points**

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

**FULL
SIZE
No 2****In Writing Advertisers
Kindly Mention
HORTICULTURE****DREER'S**FLORIST SPECIALTIES
New Brand New Style
"RIVERTON" HOSE

Furnished in lengths up to 100 ft. without seam or joint.

The HOSE for the FLORIST

1/2-inch,	per ft.,	17 c.
Keel of 500 ft.,		10 1/2 c.
2 Reels, 1000 ft.,		16 c.
3/4-inch,		15 c.
Reels, 500 ft.,		14 1/2 c.

Couplings furnished

HENRY A. DREER
714-716 Chestnut St.,
PHILADELPHIA, PA.

**GET OUR CATALOGUE**

On Ventilating Apparatus and Greenhouse Fittings
ADVANCE CO., RICHMOND, IND

The Florists Hall Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars, address, **JOHN G. ESLER, Sec., Saddle River, N. J.**



THIS TELLS OUR STORY

Standard Thermometer Company, Boston, Massachusetts.

Gentlemen:—Enclosed please find check for ten (\$10.00) dollars for which please send us at once, one ten dollar thermostat with lock and key.

We put up two of your thermostats in November and thanks to them for working last night. Our night fireman, who has worked for us on the same job for five years, went to sleep and the bell rang about three o'clock. The houses were down to thirty-five before we got steam into them. If they had frozen up, we would have lost about thirty-five thousand (\$35,000) dollars. Another year we hope to have a thermostat in every one of our fourteen houses.

Detroit, Mich.

Respectfully, BEARD BROTHERS.

Protect yours! Install a Standard Thermostat now. It Costs only \$10.00. Write today.

(G. H. 3, same as G. H. 4, only not in locked case, \$7.00.)

STANDARD THERMOMETER CO.

CLIFTON AND SHIRLEY STREETS, BOSTON, MASS.

King Greenhouses

KEEP SUMMER WITH YOU THE WHOLE YEAR ROUND

On account of their sturdy special construction which permits of great strength without the need of heavy shadow casting supports, these houses are so warm and sunny that they are filled with a riot of bloom and fruit when Jack Frost has stripped the garden of its beauty.

The ventilating and heating systems are the result of years of experience in building for professional growers. Things just have to grow in a King.

Ask us for any of the following: Catalogue showing Commercial Type Greenhouses, Catalogue showing Greenhouses for private estates, Catalogue showing Garden Frames and Sash for private estates.

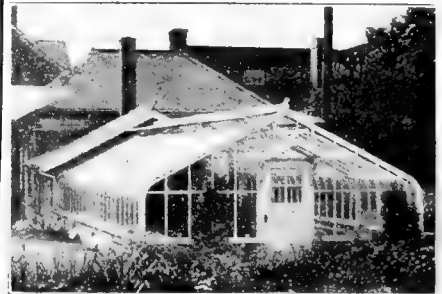
KING CONSTRUCTION COMPANY, 28 King's Road, North Tonawanda, N. Y.

All the Sunlight. All Day Houses.

BRANCH OFFICES: New York, 1476 Broadway Boston, 113 State Street Scranton, 307 Irving Avenue Philadelphia, Harrison Building, 15th and Market Streets



FOLEY GREENHOUSES



Are properly designed, durable and a source of great satisfaction to their owners.

WRITE FOR ESTIMATE.

The Foley Greenhouse Mfg Co.

3275 W. 31ST ST., CHICAGO, ILL.

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GLASS

AND HOT-BED SASHES

Our prices can be had by mail, and it will pay you to get them. We carry the largest stock of Specially Selected Glass in Greater New York and can supply any quantity from a box to a car load on a one day notice, and at Rock Bottom Prices.

PARSHELSKY BROS. Inc.

215-217 Havemeyer St., Brooklyn, N. Y.

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Difficult and rejected cases specially solicited. No misleading inducements made to secure business. Over 30 years' active practice. Experienced, personal, conscientious service. Write for terms. Address,

SIGGERS & SIGGERS

PATENT LAWYERS

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GREENHOUSES—ALL KINDS

We go anywhere in the U. S. to submit plans and prices

Metropolitan Material Co.
PATENTED GREENHOUSES

1297-1325 Flushing Ave., Brooklyn, N. Y.

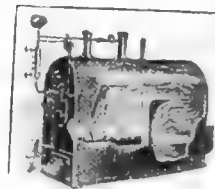


If you need a boiler in a hurry telephone or telegraph at our expense

KROESCHELL BOILERS

Send for Catalog

Kroeschell Bros. Co., 468 W. Erie St., Chicago



The R. S. Bradley Greenhouses At Prides Crossing Massachusetts

WILLIAM CANNING, Supt.



IN what the office boy calls "our old green covered catalog," printed over twenty years ago, is the picture of a greenhouse erected for Peter B. Bradley, at Hingham, Mass.

"R. S." is a brother to "Peter B."

They are the Bradleys of the Bradley Fertilizer Company and the American Agricultural Chemical Company.

In a recent letter from our Boston manager, he writes:

"On the site now occupied by Mr. Bradley's greenhouses at Prides Crossing, was a range of four or five heavy wooden, old fashioned, side hill houses. All of these houses except the old grapery were taken down at the time we built the first big house. Then it was Mr. Bradley's intention to leave the old grapery standing, but it looked so badly alongside of the new house that

almost before it was finished, he gave us an order for tearing it down, and the erecting of a new one over the old vines. This was done without harming the vines in any way, although one or two of them had to be removed to make room for the passage connection. The vines have kept right on bearing, however, as profusely as they did in the old house."

The point we had particularly in mind was that twenty years ago one brother buys Hitchings houses. Twenty years after, the other does likewise. Also that our new house made that old grapery look so badly, Mr. Bradley couldn't stand the contrast.

Evidently Hitchings were building satisfactory houses twenty years ago. Evidently twenty years later they are still building satisfactory houses.

You know we go anywheres for business. Or to talk business.

Hitchings and Company

NEW YORK, 1170 Broadway

BOSTON, 49 Federal Street
General Offices and Factory, Elizabeth, N. J.

PHILADELPHIA, 40 S. 15th Street

The Old Reliable House—Forty Years in the Wholesale Business



Welch Bros. Company

Have Taken Over the Business
of

PATRICK WELCH

262 Devonshire Street, Boston

Mr. Patrick Welch assumes the Office of President and Treasurer.

The Above Consolidation with:

Our enlarged and better stocked Supply Department—Our improved facilities for handling cut flowers, with the production of New England's best growers—

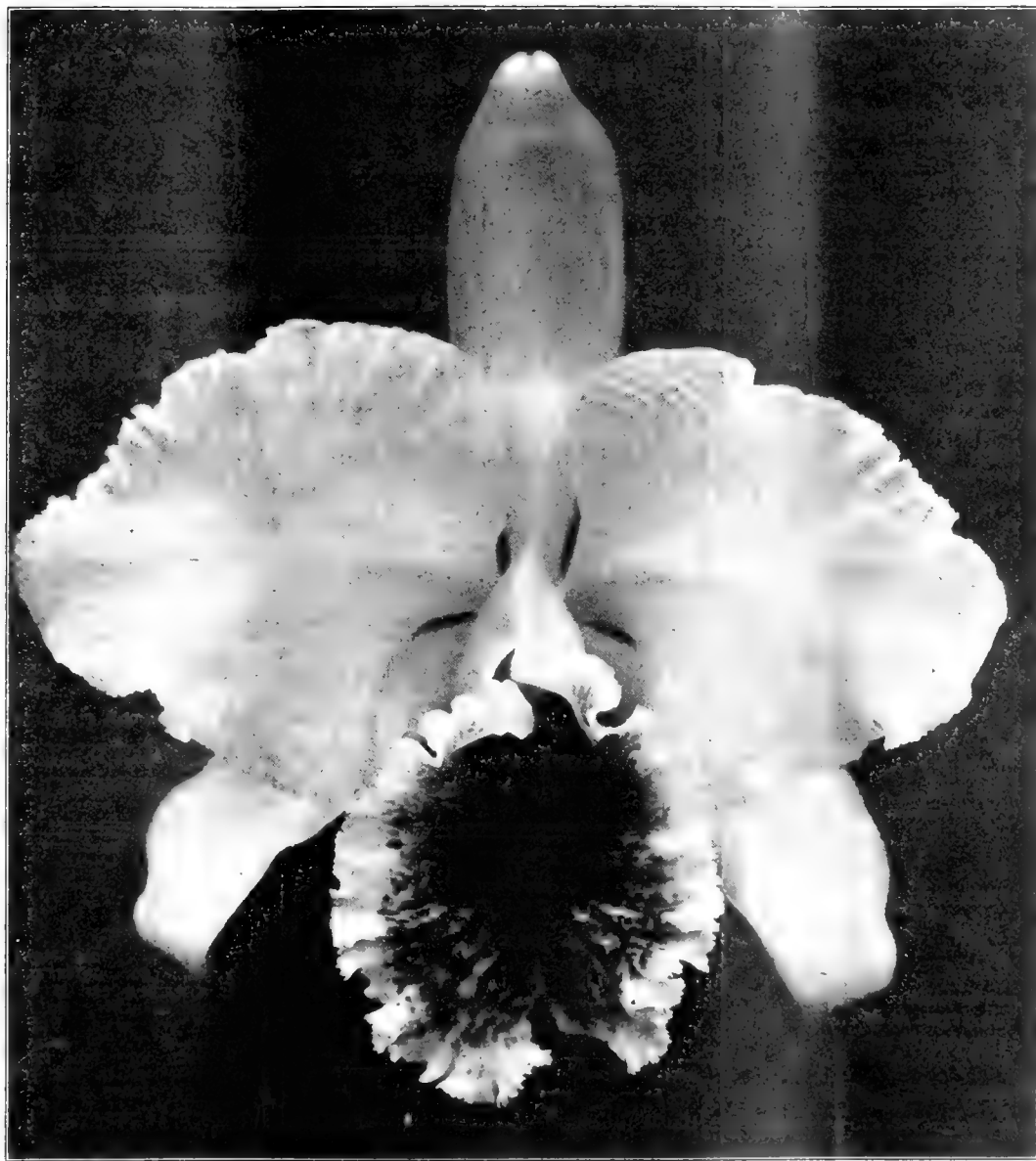
Enables us to better fill the wants of the trade

Welch Bros. Company, 262 Devonshire Street, Boston

PHONES, MAIN 6267, 6268, 2698, 5948

Vol. XXVI
No. 19
NOV. 10
1917

HORTICULTURE



Cattleya Mossiae

An Exquisite Form in the Collection of Clement Moore, Hackensack, N. J.

FERNS

We have a large stock of the fancy varieties of Nephrolepis in extra line sizes for immediate shipment. We

Elegantissima, Elegantissima compacta, Smithii, 10 in. pots, \$2.00 each.

Elegantissima, Elegantissima compacta, Teddy, Jr., Superbissima, 10 in. pots, \$2.00 each.

Smithii, 10 in. pots, \$2.00 each.

Elegantissima, Elegantissima compacta, Teddy, Jr., Superbissima, 10 in. pots, \$2.00 each.

Harrison, 8 in. pots, \$1.50 each.

Elegantissima, 10 in. pots, \$2.00 and \$2.50 each.

Rubber Plants (Ficus elastica), 50 in. and \$1.00 each.

Shipments in Pots at Maximum Prices Only.

F. R. PIERSON, Tarrytown, N. Y.

CARNATIONS

FIELD GROWN

British Triumph, Washington, White Wonder, \$6.00 per 100.

Lady Bountiful, Lady Northcliff, Pink Winsor, \$6.00 per 100, \$50.00 per 1000.

MISCELLANEOUS PLANTS

Ready for Immediate Sales

	Size Pot	100
POINSETTIAS	2 1/4-in.	6.00
SMILAX	2 1/4-in.	3.00

SEND FOR CATALOGUE

Wood Brothers
FISHKILL, N. Y.

CARNATIONS

F. DORNER & SONS CO.
LA FAYETTE, IND.

FERNS from 2 1-4 inch Pots

BOSTONS—\$5 per 100, \$40 per 1000.

WHITMAN IMPROVED—\$5 per 100, \$40 per 1000.

WHITMAN COMPACTA—\$5 per 100, \$40 per 1000.

ROOSEVELTS—\$5 per 100, \$40 per 1000.

TEDDY, JR.—\$5 per 100, \$45 per 1000.

250 at thousand rates.

H. H. BARROWS & SON, Whitman, Mass.

Nursery Stock

Fruit and Ornamental Trees, Shrubs, Small Fruits, Clematis, Evergreens and Roses.

Write for Trade List.

W. & T. SMITH COMPANY, Geneva, N. Y.

ROBERT DYSART
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Bedding Plants and Roses

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Monsters 2 in.	\$12.00	\$110.00	3rd "	3.50	29.50	NARCISSUS, Dutch		
1 1/2-2 in.	8.50	80.00	DUTCH ROMANS	2.00	18.50	Double Von Blon, 1st size	\$1.50	\$12.00
1 1/4-1 1/2 in.	5.50	50.00	SINGLE NAMED TULIPS			Double Von Blon, dbl. nose	2.50	22.50
NARCISSUS PAPER WHITE			Artus Scarlet	\$1.25	\$10.00	Golden Spur, 1st size	1.75	15.50
14 cm	\$1.75	\$15.00	Belle Alliance	1.60	14.00	Golden Spur, dbl. nose	2.50	22.50
13 cm	1.50	13.00	Cottage Maid	1.50	10.25	LILY BULBS (New Crop)		
12 cm	1.50	11.50	Kaiserkrone	1.50	13.50		100	1000
FREESIA REFRACTA ALBA			La Reine	1.50	13.50			Case
French grown	\$1.10	\$10.00	Yellow Prince	1.50	13.50	Giganteum 7/9 (300		
			Superfine Mixed	1.00	8.50	bulbs to case)	\$6.50	\$60.00
						Giganteum 6/8 (400		
						bulbs to case)	4.50	40.00
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Rutherford, - New Jersey

FERNS

Asplenium Nidus Avis (Bird's nest Fern)

2 in. pots, \$12.50 per 100, \$100 per 1000.

2 1/4 in. pots, \$15 per 100, \$125 per 1000.

3 in. pots, \$25 per 100.

4 in. pots, \$50 per 100.

5 in. pots, \$75 per 100.

Table Ferns in flats, leading varieties, one variety in each flat, \$2.00 per flat.

Kentias for centers, 6 to 8 in. high, \$12.50 per 100; 8 to 12 in. high, \$15.00 per 100.

Cocos Weddelliana, 2 in., \$12.50 per 100;

2 1/4 in., \$15.00 per 100; 3 in., \$25.00 per 100.

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Also Berberis Thunbergii, Hydrangea paniculata, Weigela, Spiraea, etc.

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Giganteum, Formosum, Rubrum, Multiflorum, Magnificum, Auratum, Album, Meipomene, Etc.

Shipments distributed from New York, Chicago, Philadelphia, Denver, London (Ont).

Write for IMPORT prices, stating quantity, variety and size.

McHUTCHISON & CO., The Import House
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Iris, Liliums, Lycoris, ETC.

For Fall Delivery
JOHN LEWIS CHILDS, Inc.

In Writing to Advertisers kindly mention Horticulture

ROSE GROWING UNDER GLASS

CONDUCTED BY

Arthur Ruzicka

Questions by our readers in line with any of the topics presented on this page will be cordially received and promptly answered by Mr. Ruzicka. Such communications should invariably be addressed to the office of HORTICULTURE.

Keep the Glass Clean

Growers using pond, brook or river water will have to clean their glass on the inside every so often as a green scum will form, more so during dark rainy weather. There is a very handy tool for the work, a squeegee or a scraper with hard rubber edge, which will take all the scum off to perfection. Select a cloudy day for the work as the scum will be soft then from the condensation on the glass, and run these scrapers up and down. What little scum remains on the glass will be loose and will wash off very easily with the hose on the first clear day. Do not neglect this work as the plants need every ray of light they can get this dark weather and, moreover, it will help keep the air pure and sweet.

Lime

Use plenty of lime this dark rainy weather, blowing it under the plants each night, and dusting it freely under the benches, using plenty of it in both cases, especially in the latter. All houses that have not been kept as clean as they should will welcome a good dose under the benches as it will sweeten the air and kill germs and insects that revel in dirt and moisture. It is not a pleasant task to apply the lime, but by being a little careful much of the dust can be avoided. Use good fresh air-slacked lime. Under the benches it can be partly slacked or wholly unslacked as it will do good if it is allowed to slack while under the benches.

Paper in the Boxes

It will now be well for growers shipping long distances to see that all boxes are properly lined and wrapped before leaving for the market. Frozen roses are a loss and it is very annoying to receive a worthless shipment when customers are waiting for fresh flowers and have to be disappointed. The weather cannot be trusted from now on so take no chances even if paper is high and time for packing very limited. Pack carefully always as roses bruise very easily, and will soon show it, too.

Stop All Leaks

The bit of winter we have had will serve as a warning to growers who still have a lot of broken glass. Coal will cost more and more and will be hard to get. You must have tight houses to save coal, so get the glass in shape quickly. Even if done by the help on the place it will take about three times as long later on as it would during nice mild weather. Now for the houses, if they are of the old three-quarter-span type. Are the backs good? A layer of heavy tar paper will make a big difference in the temperature when the wind is blowing strong and cold. Paper can be applied so that it does not look so bad, but be sure to put plenty of 1 x 2 up and down rather than lengthwise as if they are nailed on the horizontal way the drip from the

eaves will make a lot of ice on them thus ripping them off in many places, especially where the boards underneath are not any too sound to hold the nails. Allow plenty of lap at the joints and be sure to get the paper smooth so it will not rip off during the first windstorm. If there are any open spaces these should be covered over with the paper first, then several thicknesses of newspaper and then the final tar paper. Another leak to stop is steam. Do you have to fill the boilers often? This should not be if the water comes back to the boiler, and if it occurs it means leaks and leaks somewhere. Keep the valves all packed, and see that all breaks in the pipes are repaired as soon as they appear. It is surprising how much steam will escape through a single poorly packed valve and then there are so many on the place. Get some asbestos rope for packing these as they will stay packed then. Flange unions and such can be packed with tar paper. We used this once in an emergency in place of rubber and now we would not use rubber again as the paper is not only 90 per cent cheaper but much better. The only thing is that the paper will get soft when steam hits it and the tar will ooze out, and unless the union or whatever it may be is tightened, the paper is apt to blow out. Use two thicknesses of one-ply paper or one thickness of two or three-ply, and tighten flanges more after steam hits them then some more for two or three days afterward. After that you can forget about them as they will be like one piece with no leakage whatever. We even use it on steam pumps on both water and steam heads and it works great and is very cheap.

Covering Pipes on Boilers

It is far more important than one would think to have all pipes, such as mains, returns—in fact all pipes not used for radiation, wrapped up in asbestos. Large pipes have a great many square feet of radiation, which is all wasting steam if not used for heating. Drums on boilers should be especially well covered, as it is here where the steam is hottest and most pressure on the metal. A good coat of asbestos should be applied reinforced by wire netting so that it will not fall off shortly after being applied. Mix the asbestos about as thick as mortar and apply with same tools to a warm surface, slapping on the first few patches by hand with considerable force. These patches should be thrown on before the wire is put around, so they can come in contact with full force, and then stick there for keeps. Do not try to skimp with the covering as the more you get on the better. Every degree of heat that escapes before it reaches the houses is waste and this waste runs into a pile of money in course of a year. If hard times are ahead it will be the fittest that will survive to see the good times again so get busy stopping leaks right now and do not pause to rest until there are no leaks anywhere, especially in the roofs which should all be tight for the sake of the buildings and what they house.

HORTICULTURE

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Early
closing

To those who are familiar with the long established customs that have attached to the florist business up to the present time, the recent agitation in various quarters to shorten the hours of daily service will come as somewhat of a surprise that anyone should attempt to overthrow traditions so deep-rooted. But "the world do move" and the revolutionary proposition to discontinue the habit of keeping a flower store open two or three hours after those engaged in most other lines of retail trade have closed their doors and gone home is now seriously brought forward. It will be found that the majority of retail florists when pressed for their views will acknowledge the reasonableness of the proposed reform and will cite as the principal impediment to its general adoption, "the other fellow," adding further that the custom is financially profitable to nobody. The loyalty and uncomplaining acquiescence by the employees of the flower stores in the exactions which deprive them absolutely of all the public holidays that others are permitted to enjoy and compels them to sacrifice their evenings and at least a part of their Sundays, commands admiration and certainly entitles them to all possible consideration. Yet, while we would cast no reflection

and make no criticism of the men thus employed, it stands to reason that these onerous conditions must act as a serious obstacle to the entry of the more desirable class of young men into a business which demands such sacrifice. HORTICULTURE is convinced that the best interest of the trade demands that employers and employees, also their families, should now be emancipated from the slave life to which they have so long submitted and that the time has now come when closed doors after six o'clock p. m. daily and all day on Sundays should be adopted as the florists' universal custom.

Whose
baby?

HORTICULTURE, although a publication of moderate size in comparison with its older contemporaries, takes pride in the fact that it is recognized as the most influential paper in its class, where progressive influence counts, and has probably done more than any other publication in the field to mold opinion and vitalize the sentiments which are the foundation and stimulus for the praiseworthy movements that today are stirring the horticultural industries of our land as they have never before been stirred. We have been somewhat amused at the claims recently made in the columns of our esteemed New York contemporary by two worthy gentlemen who feel that it should be known that they are entitled to the credit for starting, as long ago as the year 1912, the initiative which resulted in the S. A. F. Co-operative Publicity Fund campaign which is now under way. We have no desire to belittle the services of these or any other gentlemen who have "done their bit" in the promotion of this splendid movement but just in the interest of correct history we would respectfully call the attention of all concerned to the following editorial note which appeared in HORTICULTURE on August 4, 1908:

"The weakness of the florists consists, as it always has, in their lack of cohesion. A united front and general willingness to make sacrifices and share responsibilities individually in measures for the common good would long ago have placed the florist in a much more favorable position commercially than he enjoys today."

On April 9, 1910, commenting editorially on the decision of the Canners to expend a quarter of a million dollars for newspaper and magazine publicity in the year 1910, we said:

"Two hundred and fifty thousand dollars is, of course, away beyond the possibilities for the florist, but if the cohesion and co-operative spirit so much to be desired existed among the trade which the S. A. F. represents, a start on the work of broadening and developing a bigger market and building up steadier demand for our products could be made and we believe the results would fully justify the investment."

Again in the issue for April 16, 1910, we wrote as follows:

"Get busy with the people. They don't consume a fraction of the flowers they ought to consume. If there were twice as many greenhouses for flower growing as exist today the public could easily get away with the product and there would be no use for the dump heap. What, after all, have the men who have the most at stake and who are the principal losers under prevailing conditions—the flower growers themselves—done up to the present time, to broaden and enlarge the market for their product? How much have they contributed towards the publicity which is a vital principle in the conduct of any business according to modern methods? We think it is safe to say that there was money enough lost in stagnated flowers last Easter to have paid for a publicity service of wide range and practical utility, extending over the entire season."

We haven't spent much time looking over the archives, gentlemen, and in all probability more of the same tenor might be brought forward but perhaps the foregoing will suffice to hold you for a while.

Two Valuable Shrubs

Cotoneaster microphylla and *C. horizontalis* are two of our most valuable shrubs for ground cover work where choice foliage effect is desired. The first is evergreen, densely branched, and very prostrate in habit, forming in time a solid mat of dark green. Its flowers are small and of little consequence, but are followed in the fall by bright red berries which remain most of the winter. For covering the ground amongst rhododendrons and for use in the rock garden this plant is without a peer. It is also useful for edging garden walks and many other uses.

Cotoneaster horizontalis, on the other hand is a deciduous shrub with us, but in milder climates the leaves remain on the branches without change of color until the end of winter. Here they turn very brilliant red in early winter just before falling, giving the plant an added value for ornamental planting. The flowers of this variety are white and also of small consequence compared with bright red fruits which later develop and add charm to the plant. This plant is a good subject for sunny positions against walls, or for rock garden work and is one of the best fruiting shrubs for the latter location. As a variation in ground cover amongst low growing evergreen or deciduous shrubs it is of value. *C. horizontalis* does not lie as flat as *C. microphylla*, but will, in open ground attain three feet, and against a wall it will climb up several feet in height. There is a very interesting variety of *C. horizontalis*, *C. h. var purpusilla*, the branchlets of which are of a light green color and are studded with the bright red fruits in winter. The fruits in this variety are much larger than those of the type.

Cotoneasters will thrive in a good loam which is well drained and in a position not too shaded and damp, the more sun the better. The propagation may be effected from fall-sown seed, or in the evergreen varieties from cuttings of half-ripened wood taken in August and rooted under glass. Layering is also practiced, and the various kinds may be grafted on *vulgaris*, quince, hawthorn or mountain ash. *Cotoneaster horizontalis* and *microphylla* are best grown from cuttings or layers, grown in pots and transplanted from pots. Pot grown plants are easier to handle and transplant with much greater success than field grown.

Hubert M. Canning

Jamaica Plain, Mass.

ROSALIND.

F. R. Pierson's New Pink Sport of Ophelia Rose.

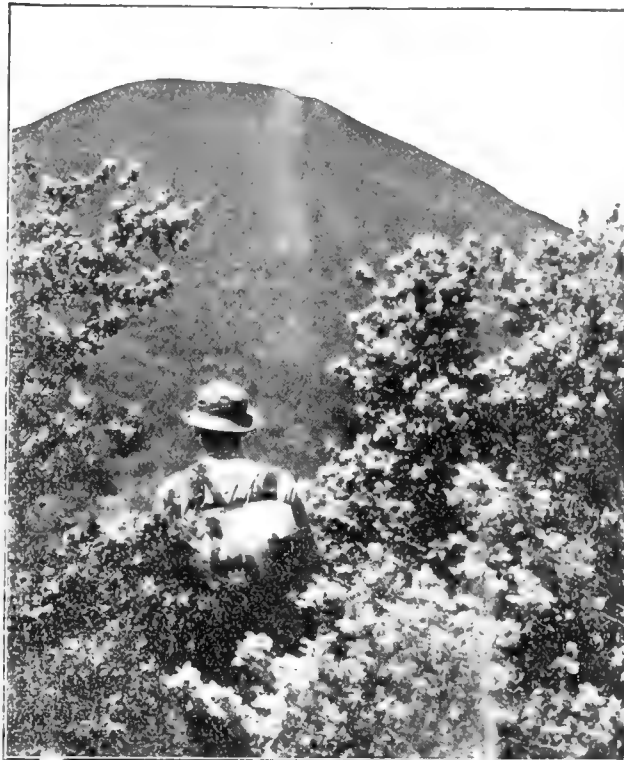
In the bud stage this rose is a striking intense coral orange, an odd color hard to describe, and not unlike that of the celebrated Mme. Edouard Herriot of Pernet-Ducher; but when open this changes to a lovely tint of flesh pink, running deeper towards the center. The flowers are larger than Ophelia, and the form and substance are as fine as in that exquisite variety. Deep green foliage, large, smooth and healthy; long, stiff stems; a free grower and heavy producer; in the latter respect equally as good as its parent. Its size and distinctiveness in color will make this a valuable ad-

dition to our list of commercial roses, and there is undoubtedly a great future for it, as it will be a favorite with the buyers not only in the bud stage but all the way through. The flowers have one-third more petals than Ophelia, and are proportionately larger as a whole.

NEW ROSE "COLUMBIA."

Hill's new rose Columbia was on exhibition at the Pennock Company's place, Philadelphia, on Tuesday last and received much favorable comment from the growers and retailers who crowded around it all day long. It is a fine big rose—large as Mrs. Russell, which is one of its parents, and is a lovely shade of pink—peach-blow pink,

"Wild Lilacs"



About the most striking shrub in early summer in California is the one they call "wild lilac." It is also called "deer brush," while the name "buck brush" is applied to this plant in common with nearly every other shrubby species in the whole wild west. The name "wild lilac" has no scientific standing, so far as I know, but it is so much more appropriate and distinctive than the others that we may venture to use it.

All these names are applied to several species of *Ceanthus*, but particularly to *C. thyrsiflorus* and *C. integerrimus*. These grow in large masses over wide stretches of mountainside and make a most satisfying effect. The landscape gardener finds himself wishing he could use them in his mass plantings. However, they are not considered hardy for eastern planting. We have a fine representative of the same genus in our *C. Americanus* or New Jersey tea, and one which might properly find a wider use, especially on very dry warm hillsides.

Amherst,
Mass.

Frank A. Waugh

Mr. Hill says—and I guess that is about right. It looks nearly the Shawyer shade but not quite so dark. Mr. Myers says the parentage is Shawyer-Russell-Ophelia, and it looks as if the newcomer had the good points of all three of these commercial cut-flower favorites. The foliage is a pleasing deep green; the stems long and strong, and altogether Columbia looks like a winner. The raisers claim that it is an "easy-doer," which probably means that it is easy to root and easy to graft and a free grower. They claim, in fact, that spring grafts showed six to eight breaks by October—which is going some. It looks as if it were in order for all hands to shout "Hail, Columbia!"

THE S. A. F. PUBLICITY CAMPAIGN

Chairman George Asmus of the S. A. F. Publicity Finance Committee reports the following subscriptions:

To Be Paid Annually for a Term of Four Years.

By Max Seeling Joseph J. Levy, New York, \$10.00

By Wallace R. Pierson, M. A. Clark, Ellsworth, Maine, \$5.00.

By D. C. Horgan, Macon, Ga. Wachen-dorff Bros., Atlanta, Ga., \$10.00; Idle Hour Greenhouses, Macon, Ga., \$10.00.

By Secretary's Office, Wm. Dethleffs, Mitchell, S. D., \$5.00; R. & S. Flower Store, Missoula, Mont., \$5.00.

By N. A. Benson, Denver, Colo.—Alpha Floral Co., Denver, Colo., \$10.00; American Flower Shop, Denver, Colo., \$10.00; H. D. Belcher, Denver, \$5.00; C. A. Benson, Denver, \$10.00; N. A. Benson, Denver, \$25.00; W. D. Black, Denver, \$5.00; Ben Bolitt, Denver, \$10.00; Boldt-Lundy House of Flowers, Denver, \$10.00; Geo. Brenkert, Denver, \$5.00; Geo. H. Cooper, Denver, \$10.00; Denver Wholesale Florists' Co., Denver, \$25.00; The Elitch Gardens Co., Denver, \$25.00; Emil Glauber, Montclair, Colo., \$5.00; D. S. Grimes' Son, Denver, \$6.00; Fred Hall, Denver, \$10.00; Louis A. Kintzele, Denver, \$5.00; C. Langenfelder, Denver, \$10.00; C. F. Muler, Denver, \$10.00; Mauff Floral Co., Denver, \$10.00; New York Floral Stores, Denver, \$10.00; The Park Floral Co., Denver, \$25.00; Wm. Speth, Denver, \$10.00.

JOHN YOUNG, Secy.

Nov. 3rd, 1917.

The following committee has been appointed for Illinois in connection with the Society of American Florists and Ornamental Horticulturists National Publicity Campaign for Flowers:

F. Lautenschlager, chairman; J. F. Ammann, Edwardsville; E. W. Guy, Belleville; B. Juergens, Peoria; Chas. Loveridge, Peoria; Frank L. Washburn, Bloomington; Geo. A. Kuhl, Pekin; Herbert E. Smith, Danville; I. L. Pillsbury, Galesburg; J. E. Yates, Champaign; Wilbur Gullett, Lincoln; Philip Genteman, Quincy; F. J. Kroner, Quincy; Jno. Staack, Moline; Ludwig Stapp, Rock Island; Philip Daut, Decatur; Geo. Brinkerhoff, Springfield; Iles Cole, Springfield; J. Heintz, Jacksonville; R. A. McPherson, Litchfield; J. L. Johnson, De Kalb; John Bausher, Freeport; H. W. Buckbee, Rockford; Geo. Jacobs, Canton.

GEORGE ASMUS,

Chairman of Finance Publicity Com.

"SEND FLOWERS—ALWAYS A GOOD IDEA."

The Chicago committees appointed in connection with the S. A. F. & O. H. National Publicity Campaign for Flowers met in session Thursday, November 1st. Over 95 per cent. of the members appointed for this district were in attendance, and every one spoke enthusiastically of National Publicity and the great need of same. An equitable schedule of contributions was established, and same was made up in poster form to be shown in every wholesale house, florist supply house, and at all trade gatherings.

According to the Local Committees, contributions from Chicago should be

One of Tuthill's Tale Tellers

Don't tell me not to tell tales out of school. I'll tell them anywhere and to anybody—if the tale's worth the telling.

Here's one that is. It is, because it has to do with your business; has to do with it because it has to do with the S. A. F. national advertising.

It's short and to the point; short because it's told by a man long in experience. For years he was a partner of J. P. Morgan in that famous Wall Street office that has wielded millions that have welded great ideas into greater actions.

The man is George W. Perkins. Yesterday, Paul Minnick and I lunched with him. Among other things he let drop was this statement: "Competition has always been said to be the life of trade. There was a time when it was. But that time is past. Organization is now its life."

Right away, I thought about the S. A. F. and the way it is using its organization to organize a fund to carry the message of flower buying through advertising to the millions of possible buyers, all over this sunshiny country of ours. Just naturally, I was mighty proud of the old S. A. F. and the men at its helm who are steering its publicity craft.

As you doubtless know, Mr. Perkins, in his various big, broad-minded efforts in connection with general public benefiting movements, has spent hundreds of thousands of his own dollars in advertising.

When one of us endeavored to get him to talk about advertising, he promptly replied: "I don't talk about advertising, I do it."

Which only goes to prove that Patrick Welch of Boston and George Asmus of Chicago are not the only ones who have a way of hitting nails on their heads.

as follows, and every effort will be made to raise the amounts stated:

Retail Florist		
Annual Sales,	\$2,000,000 at \$3.00 per 1,000 volume	\$6,000
Wholesale Florist		
Annual Sales,	\$2,500,000 at \$1.00 per 1,000 volume	2,500
Grower		
Total Glass,	10,000,000 square feet at \$1.00 per 1,000 square feet glass..	10,000
Florist Supplies		
Annual Sales,	\$300,000 at \$3.00 per 1,000 volume	900
Allied Trades		
Annual Sales,	\$2,000,000 at \$1.00 per 1,000 volume	2,000
Total		\$21,400

A call also has been issued to the trade of Chicago, the great central market, as follows: "Send Flowers—Always a Good Idea." To the Trade of Chicago—the Great Central Market. Every Retail and Wholesale Florist, Every Grower, Supply Man," etc., etc.

A chairman was appointed for each division of the Trade Committees, and we give below complete list of these committees:

Retail Division—W. J. Smyth, Chairman, O. J. Friedman, L. R. Bohannon, Herman Schiller, A. G. Cronis, H. N. Bruns, A. Lange, Wm. Graham, Geo. Weinboer.

Wholesale Commission Division—H. B. Kennicott, Chairman, Paul R. Killingspore, John Michelson, August Poehlmann.

Seed Trades Division—Leonard Vaughan, Chairman.

Growers Division—W. J. Kelmel, Chairman, Guy French, Joseph Kohout, Nic Wietor, Emil Buettner, Peter Reinberg, C. L. Washburn, Otto Amling.

Allied Trades Division—M. C. Wright, Chairman, Frank Johnson, E. F. Kurowski, A. Dietsch.

Traveling Salesmen Division—A. Miller, Chairman.

CHICAGO COMMITTEES,
Per F. Lautenschlager

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Department of Plant Registration.

Public notice is hereby given that, as no objections have been filed to the registrations of *Primula malacoides* Townsendii, and Xmas Joy Pepper by A. L. Miller, Jamaica, N. Y., and the *Delphinium* Hybrids—America, Prof. James T. Hatfield, Mrs. Ida W. Gloede, Grace Darling, Evanston, Mrs. D. C. Presler, Randolph Culver Gloede, Miss Gertrude Lane Mogee, Richard F. Gloede, Mrs. Cody Hoops, Little Bob, Charles Speed, registered by Richard F. Gloede, Evanston, Ill., same become complete.

JOHN YOUNG, Secy.

PENNSYLVANIA HORTICULTURAL SOCIETY.

The program of lectures for the coming season is as follows:

November 20, 1917, at 3.30 p. m. Theory and Practice in Horticulture. Illustrated. Prof. E. A. White, Cornell University, Ithaca, N. Y.

December 18, 1917. Peonies and Iris. Illustrated. Prof. A. P. Saunders, Clinton, N. Y., Secretary American Peony Association.

January 17, 1918. Vegetables for the Home Garden. William N. Craig, Brookline, Mass.

February 19, 1918. Cannas. Illustrated. Eugene H. Michel, of Henry A. Dreer, Riverview, N. J.

March 19, 1918, at 3.30 p. m. 1—Soil Fertility. 2—Fertilizers for the Home Garden. Two lecturers to be supplied by the Pennsylvania Department of Agriculture.

April 16, 1918, at 3.30 p. m. Rose Gardens. Illustrated. Prof. A. C. Beal, Cornell University, Ithaca, N. Y.

The meetings will be held at Griffith Hall, 1420 Chestnut Street, Philadelphia.

It is well that the American people should be taught a few lessons in economy and thrift. Extravagance and wastefulness have been among our glaring sins.

THE EXHIBITIONS

MORRIS COUNTY GARDENERS' & FLORISTS' SHOW.

The 22nd Annual Flower Show of the Morris County Gardeners' & Florists' Society was held in James Hall, Madison, N. J., on Nov. 1st and 2nd. The members decided to have the Show as usual this year and donate the proceeds, less the expenses, to the Red Cross Society. The Show was the best ever staged in Madison—and some splendid Shows have been staged here in years gone by—which is a favorable criterion considering the fact that there were no money prizes and that quite some expense is attached to an exhibition of this kind to get the flowers to the Show in good condition. Prize winners received ribbons for their displays—blue was 1st prize, red 2nd, and white 3rd. This Show certainly spoke well for the patriotism of the owners of estates and gardeners in and around Morris County.

In the Chrysanthemum section the principal exhibitors were:

Mrs. J. Crosby Brown, Peter Duff, supt., Orange, N. J.; Mrs. H. McK. Twombly, Robt. Tyson, supt., Convent, N. J.; Lewis A. Dunham, Ernest Wild, supt., Convent, N. J.; Mrs. A. H. Tiers, Thos. Dormer, supt., Morristown, N. J.; O. H. Kahn, Jas. Fraser, supt., Morristown, N. J.; J. Gordon Douglass, A. Sailer, supt., Morristown, N. J.; "Wayside," David Francis, supt., Convent, N. J.; Froh-Heim Farms, Wm. Huckvale, supt., Far Hills, N. J.; "Gerald Farms," Jas. Romano, supt., Madison, N. J.; Otto Kock, florist at the N. J. State Hospital, Morris Plains, N. J.; Jno. I. Waterbury, Maurice Gray, supt., Morristown, N. J.

The flowers staged were wonderful in size and included the following varieties:

Yellow—Nag-ir-roc, Wm. Rigby, Yellow Turner, Jas. Fraser, Mrs. H. J. Jones, Bob Pulling, Mrs. R. C. Pulling, and Mrs. G. Lloyd Wigg.

White—Louisa Pockett, Wm. Turner, Mrs. Gilbert Drabble, and Mrs. J. Purroy Mitchell.

Pink—Mrs. J. Gibson, Nerissa, and Earl Kitchener.

Odd shades, Bronze, Crimson, etc.—C. H. Totty, Pockett's Crimson, Pres. Everitt, and W. H. Waite.

Wm. Shillaber, J. P. Sorenson, supt., Essex Fells, N. J., exhibited a vase of a new Single Chrysanthemum, and W. H. Waite of Red Bank, N. J., supt. for J. D. Adams, a vase of a dainty Single called Mrs. W. H. Waite; both were awarded a certificate of merit. Charles H. Totty, Madison, N. J., also exhibited new Singles including Ida Catherine Skiff, Supreme, Rose Walker, etc., all very fine.

In the Commercial section, Charles H. Totty was the principal exhibitor with his flowers of Nag-ir-roc, Wm. H. Waite, Pres. Everitt, Louisa Pockett, Wm. Turner, etc. The stage was also decorated this year as in former years by Mr. Totty, with a splendid collection of singles and early flowering varieties interspersed with autumn foliage.

In Roses the quality staged was very fine, and there were more exhibits in this section this year than for the past five or six years of the Flower Show. Many varieties were shown, Mrs. Chas. Russell perhaps being the peer of the pink class and Sunburst the winner in the yellow class. Ophelia occupied its own spe-

cial position and was represented by many vases of superlative quality flowers. The exhibitors in this section were L. A. Noe, Noe & Ruzicka Co., Chas. H. Totty and Duckham-Pierson Co., all of Madison; L. B. Coddington, Murray Hill and H. O. May, Summit. There were also quite a few novelties shown in this section. C. H. Totty had a large vase of the new pink Columbia; Dailedouze Bros., Brooklyn, N. Y., a fine vase of Ophelia Supreme; "Mrs. E. T. Stokesbury," by Ed. Towill, Roslyn, Pa., L. B. Coddington, a new unnamed seedling, and Red Rover by C. H. Totty. Mrs. Geo. Shawyer was also shown in splendid shape by L. B. Coddington.

The Private Gardeners' classes for Roses were well represented by the following exhibitors: David Francis, J. Walker, Mrs. J. C. Brady, Gladstone, N. J.; Jas. Fraser, Robt. Tyson and Wm. Huckvale. As usual, all these exhibits were very fine.

The Carnation classes were successfully competed for by: The Springfield Floral Co., Springfield; Harry O. May; Chas. H. Totty; Mrs. P. H. B. Frelinghuysen, Wm. Bunny, Morristown; Mrs. McAlpin, Wm. Brown, supt., Morristown; Dudley Olcott, Chas. Barbanes, supt., Morristown; Cedar Court, Morristown; G. Chisholm, G. E. Tramfield, supt., Morristown. The prize winning varieties were Matchless in white; C. W. Ward in pink; Cottage Maid and Enchantress Supreme in light pink, and Mrs. Bassett in scarlet.

The center of the hall was artistically decorated by Robt. Tyson, who arranged a group of chrysanthemums, flowering and foliage plants and ferns most effectively.

"Not for Competition," but merely to help out the Show as a Red Cross affair, Harry O. May filled a large corner with a collection of palms and cut flowers that was very fine. Chas. H. Totty showed a collection of cut-flowers of assorted chrysanthemums, chiefly noticeable among them were the Japanese Anemones introduced by him last season. A. S. Baldwin, Madison, N. J., also had a large group of palms and chrysanthemums. Noe & Ruzicka had a beautifully arranged table of cut roses. Thos. Dorner, had a unique display of salvia, one a purple maroon and the other terra-cotta or flame color. Lager & Hurrell, Summit, N. J., had their usual fine display of orchids, and A. Sailer had a display of sweet peas.

This section of the country devoted itself very largely to Red Cross War Gardens the past summer and it showed itself largely in the vegetable displays, leading contributors being Robt. Tyson, Froh-Heim Farms, Mrs. C. B. Hittpen, Louis Berkman, Bernardsville, N. J., and Thos. Dormer.

Apples and grapes were also shown, the principal prize-winner for these fruits being Thos. Brown and Robt. Francis. Wm. Shillaber, Thos. Sorenson, supt., Essex Fells, also showed some fine fruits. David Francis staged his vegetable exhibit very cleverly, having a background of cornstalks

with the ears of corn still on them, and his vegetables displayed in front of this. Robt. Francis had a nice collection of outdoor grapes, and Froh-Heim Farms was represented by indoor grapes.

In addition to the above the following exhibits were awarded special prizes: Certificates of merit to Thos. Dormer for new salvias; Thos. Golding, Mrs. Ridley Watts, Morristown, for pansies; Maurice Gray, for hardy chrysanthemums. The table decorations shown the second day and judged by the ladies, attracted a great crowd of people. Mrs. Ridley Watts was 1st, Mrs. H. McK. Twombly 2nd, and "Wayside" 3rd.

The judges were Eugene Dailedouze, Brooklyn, N. Y., John Everitt, Glen Cove, N. Y., Wm. Turner and Wm. Waite, Seabright, N. J., and Peter Duff, Orange, N. J. The weather was perfect and the Show very successful in every way. All the exhibits were auctioned off on the second evening, and after all expenses were deducted the Red Cross Society was presented with a sum exceeding \$500.

PHILADELPHIA CHRYSANTHEMUM SHOW.

This annual exhibition opened Wednesday afternoon, Nov. 7, at the Third Regiment Armory, Broad & Callowhill streets. The quality and variety of the exhibits this year were above the average of recent years and reflected credit on the exhibitors and the city. All the chrysanthemum classes from the big single blooms to the great specimen plants were well represented and showed high skill in culture and staging. The center of the hall was occupied by a magnificent display of orchids from the Widener conservatories. This in itself was worth coming a long way to see. Mr. Kleinheinz, the superintendent, certainly did himself great credit in the splendid specimens and in the artistic arrangement. Another good orchid exhibit was by the veteran Louis Burk and occupied the far end of the hall. A fine collection of crotons from Dreer's occupied the front end of the central aisle. To the right of this was the Jeffords collection of crotons—seventy-five varieties all in the pink of culture and condition. These certainly were a fine feature and a credit to the gardener, Joseph Hurley. The displays of foliage plants and ferns were extensive and good. Those from Wanamaker's were especially fine and were arranged with the good taste we always look for from John Dodds. The Drexel displays in specimen ferns and foliage plants were as fine as ever and showed that Thos. Long has lost none of his cunning. The seed houses were out in force and exhibited their seasonable wares very tastefully. The most noticeable stands were those of Michell, Dreer and Waterer. In roses there was a nice vase of Mrs. Stotesbury from Edward Towill and one of September morn from the Florex Gardens. The vegetable displays were

of high quality and excellently arranged.

We can say nothing as to the prize winners as the judging had only just commenced when the bell rang for the last mail. Further particulars in next issue. The show held open three days—7th, 8th and 9th.

CLEVELAND FLOWER SHOW.

The 15th annual flower show opens today as we go to press. Florists from all parts of the country are present. Early arrivals include H. C. Neubrand and Mr. Carlstrom of A. N. Pierson, Cromwell, Conn.; Mr. Wilson and son, Woodstock, Ont.; Leonard J. Sieger, of Robert Craig Co., John R. Fotheringham, of F. R. Pierson Co. Mr. E. W. Neubrand, of Tarrytown will show the Mrs. Henry Winnett rose.

Gray's Armory, comprising 20,000 sq. ft. of floor space has the walls covered with white muslin overlaid with wild smilax and American flags, and the stands are finished in blue and white. A prominent feature is the big F. T. D. billboard at one end, dominating the room, colorful and striking, and measuring 14 x 50 ft. The design shows Uncle Sam waving his hands to a beautiful landscape entitled, "America your flower garden" and the motto "We deliver anywhere."

The Chrysanthemum and Rose Societies are prepared to meet as scheduled. Mr. Vinson expects a good attendance as the people of the city seek diversion after the late strenuous election. Harry L. Davis, who was re-elected mayor, is among the donors to the flower show. Chairman Knoble, Frank Friedley and George Bate had all their preliminary work done on time and in good shape and much enthusiasm prevails.

PITTSBURGH FLOWER SHOWS.

This week sees Pittsburgh's three big autumnal flower displays in full swing. According to the thousands of spectators, Miss Louisa Pockett was easily the star in the Phipps Conservatory last Sunday, but Foreman John W. Jones says that notwithstanding he still considers Mrs. Gilbert Drabble the most aristocratic member of the family. Three houses were utilized for the display, which was arranged in beautiful central mounds of color extending the entire length, while the sides and corners were carried out to correspond. The groups were arranged with the utmost artistic ingenuity and skill, the color massing and blending throughout betokening the master's hand and artist's eye.

The West Park on the North Side opened the week before with a similar display, supplemented by an exhibition of magnificent begonias. In connection with this display is the second annual exhibition of the Pittsburgh Aquarium Society.

As usual these two municipal exhibitions had a friendly rivalry in the private autumnal exhibition of Henry J. Heinz's "Greenlawn" conservatory under the superintendency of A. A. Leach. The sunken garden show room was devoted entirely to chrysanthemums, the crowning piece, perhaps, being an umbrella trained specimen of Lillian Doty. Arranged with spe-

ORCHIDS AT HACKENSACK.



CATTELEYA GIGAS AT CLEMENT MOORE'S
Nine Sprays, Bearing Sixty-nine Flowers

Probably nowhere in the United States is it possible to see a finer and unique collection of orchids than at the home of Mr. Clement Moore, Hackensack, New Jersey. Here are to be seen some of the rarest and most beautiful orchid species and hybrids under cultivation. Mr. Moore has been carefully and cautiously collecting these valuable plants for many years. At all times of the year there is something, always out of the ordinary, to be seen here. Mr. Moore's collection comprises all the finest varieties of practically every Cattleya species in cultivation, including every Cattleya albino of note. Also there is without doubt the largest and finest collection of hybrids in this country, the majority of which have all been raised at Hackensack. They are to be seen here by the tens of thousands, from the germination of seed and at every stage up to the time of flowering. All the difficulties of the raising of orchids from seed have been completely overcome during the past few years by Mr. Moore and his capable orchid grower, Mr. Mossman, and many hybrids in the classes most difficult to rear are here seen nearing their flowering stage.

It is a very imposing sight to see these countless seedlings, all carefully labelled with assorted colored labels

denoting their cross. Brassavola hybrids are grown in abundance. Cattleya gigas has also been a leading feature for a long time and they are here grown to perfection, numerous plants giving from five to seven and even eight flowers on one spike. One of Mr. Moore's favorites, however, is Cattleya Hardyana and without doubt he has the finest and most varied collection of this species in existence, including the beautiful yellow sepal and petal variety "Clement Moore" which is an exceedingly rare and most beautiful orchid.

Practically every known variety of note of Cattleya Trianae, labiata and gigas are in this collection and by skillful culture nearly all the unique plants have been duplicated and in a number of cases, batches have been reared through propagation. It is impossible for anyone to get more pleasure than does Mr. Moore himself from this pursuit. Every house simply bristles with rare gems and with the great care given to the hybridization there are sure to be many more remarkable hybrids emanating from this great collection.

Walter Gott

St. Albans, Eng.

cial reference to the children was a neighboring house transformed into a Japanese garden surrounding a diminutive Oriental temple. Mr. Leach also had a splendid display of hothouse grapes and other tropical fruits. On Tuesday evening Mr. Leach entertained the Florists' and Gardeners' Club and the Horticultural Societies of both Western Pennsylvania and Sewickley.

The first annual exhibition of the Horticultural Society of Western Pennsylvania held last week surpassed the expectations of the most sanguine. "The best that can be grown" characterized all the flowers, fruits and vegetables displayed.

The seal of Pittsburgh, designed of immortelles by Pasquale Fabbiozzi, two plants of grafted chrysanthemums by J. M. Jones, and a specimen chrysanthemum grown by Manus Curran, were special attractions. All were awarded prizes, other first winners being A. E. Bonsey, William Thomain, Jr., Frank

R. Crooks, David W. Fraser, J. Barnett, James Stewart, Carl Becherer, Ernest Guter, James Gardiner, Superintendent J. McNamara of the Pittsburgh Country Club, Fred Wissenbach, Walter James and Thomas Edward Tyler, the latter receiving a special prize for the best all-round exhibit. The judges were James Wiseman, Alexander Davidson and Frank C. Ludenbacher.

NEW BEDFORD SHOW.

The annual chrysanthemum show under the auspices of the New Bedford Horticultural Society was held in the Public Library on Nov. 1 and 2. The Converse estate as usual sent to the show a magnificent display, as did also R. H. Woodhouse. Other exhibitors were Joseph Nolet, Leonard Hathaway, John Chatburn and the Peckham Floral Company of Fairhaven. James Garthly of Fairhaven and John P. Rooney of New Bedford acted as judges.

An offer to train and employ 250 Young Men

BY A GREAT NATIONAL ORGANIZATION

HOW would you like to have a position, as a trained expert, with the largest and most successful organization of its kind in the world—a position that offers you an unusual opportunity to make good in a big way? Where your advancement is limited only by yourself?

That is just the kind of position the Davey Tree Expert Company offers to 250 ambitious young men—to YOU, if you can qualify.

The Davey Tree Expert Company—with branch offices in New York, Chicago, and Philadelphia, and with permanent representatives in all principal cities east of the Mississippi—practices the profession of Tree Surgery on a large national scale.

Owners of this country's most beautiful estates—such men as Rockefeller, Vanderbilt, Astor, Armour, etc.—come to Davey experts for the scientific treatment of their trees.

The demand for Davey service is growing so rapidly that we find it necessary to train for our organization 250 additional young men.

We cannot secure trained experts from outside sources. The science of Tree Surgery was originated and developed entirely by the Davey Company, hence we can add expert Tree Surgeons to our organization only by training them ourselves.

Therefore, we have arranged to train 250 young men this fall and winter—either at their homes in their spare time, or under personal instructors at our Kent headquarters—so that they will be ready to take up their new positions with us next season.



To those whose spirit yearns for nature and the great outdoors, the profession of Tree Surgery offers a rare opportunity for a fascinating, vitalizing and uplifting work with unusual advancement in keeping with the best that is in you.

Considered from every standpoint, the profession of the Davey Tree Surgeon is ideal.

His day is a day of fresh air and properly balanced outdoor exercise—a combination that means health and an inspiring relief from the monotony and grind and dust of ordinary work. His work is not only pleasant, but is fascinating in the extreme, developing in a man mechanical skill and scientific accuracy.

He practices his profession on beautiful country estates and around the finest homes, and conducts his business with men and women of wealth and refinement.

His profession commands the respect of everybody. It is a highly useful and impressive work. The field is inexhaustible, and the demand for real experts who are honest and efficient is increasingly greater than the supply.

He enjoys a rare opportunity to travel and see the best parts of the country, with car fare paid. He works with the finest type of clean, American manhood; not mollycoddlers, but fine, manly fellows.

He is well paid—responsible men in the Davey organization earning from \$1,000 to \$10,000 a year. And best of all, there is no limit to his chance for advancement.

QUALIFICATIONS: If your age is between 18 and 32, if you are healthy, and if you can furnish satisfactory references as to character, you are qualified for training and employment by the Davey Company. Unmarried men preferred.

WE WILL TRAIN YOU AT YOUR HOME—OR WE WILL TRAIN YOU AT THE DAVEY INSTITUTE LABORATORIES

For those who are unable to come to Kent for the resident instruction and laboratory work, we have arranged a special course of preliminary home study, followed by thorough, practical training.

Each lesson has been so carefully planned for the requirements of home study that you can readily complete the entire course during the winter months. Your home study will not make you a finished expert, let us say frankly, but it will give you such a thorough grasp of the fundamentals of Davey Tree Surgery that your progress will be rapid and certain.

In the spring, after your winter study is finished, we will call you in for practical

training and a guaranteed position with the Davey organization. For full information of this offer mail the "Mail Training" coupon below.

For those who can conveniently leave home for winter resident instruction, we conduct at Kent our own training school. This includes practical field work in addition to several months of intensive class-room training and laboratory work.

On completion of this course you will be ready to take a permanent, guaranteed position with the Davey Organization.

For full information about this offer mail "Residence Training" coupon below.



W. H. WILHELM—At age 20 a clerk in clothing store at meager salary. Joined Davey Organization. Secured complete training. Took advantage of wonderful opportunity he found and in four years became one of the highest salaried men in the field force.



D. Q. GROVE—A school teacher who found in the profession of Tree Surgery his great opportunity. He had the ability and the zeal. The Davey Organization developed it. He now makes a far more successful career. Moreover, he loves his work.



PERRY H. HUTSON—Here is a typical record of success resulting from natural ability and a wonder. Full opportunity to develop it. He was a farmer boy with a modest education and began all this. Is now earning a good salary what he was making on the farm.

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The Davey Tree Expert Company, 1311 Elm St., Kent, Ohio

I am interested in your offer to train and employ men as Davey Tree Surgeons. Please send me full information about your plan of home training. It is understood that this request obligates me in no way.

Name

Street and No.

City State



RESIDENCE TRAINING COUPON

The Davey Tree Expert Company, 1311 Elm St., Kent, Ohio

I am interested in your offer to train and employ men as Davey Tree Surgeons. Please send me full information about your plan of residence training. It is understood that this request obligates me in no way.

Name

Street and No.

City State

Obituary

Mrs. F. R. Bohnke.

Katherine Mulligan, wife of Frank R. Bohnke, florist, died at her home, 84 Miller street, Rochester, N. Y., on November 1.

Edward A. Beaven.

Edward A. Beaven, one of the largest shippers of wild smilax and evergreens from the South, passed away at his home in Evergreen, Ala., on Oct. 22, aged 52 years. He is survived by his widow, one daughter and four sons.

Vincent J. Zuber.

Vincent J. Zuber, florist, died at his home in Whitestone, N. Y., on Friday night, November 2, aged 75 years. Many years ago he started in business in Astoria with his father who was a horticulturist of wide repute. Mr. Zuber's specialty was hybrid roses, Ulrich Brunner particularly. His sons will continue the business.

Charles Hunt.

Charles Hunt, for many years a leading grower of chrysanthemums and vegetables for market, died of pneumonia at his home in Graniteville, Staten Island, New York on Monday, October 29, aged 79 years. He has been retired from the florist business for some time his sons having taken it up under the title of Charles Hunt's Sons.

THE LATE FRED STIELOW.

At a special meeting, held on October 30, The Chicago Flower Growers' Association adopted the following resolution:

WHEREAS, God in infinite love and wisdom has taken from among us our good friend and co-worker, Mr. Fred Stielow, and

WHEREAS, His interest and enthusiasm in the Chicago Flower Growers' Association was largely responsible for its success, and

WHEREAS, His wise counsel, his thorough training and co-operation were continuously at the service of the Board of Directors of The Chicago Flower Growers' Association; therefore, be it

RESOLVED, That the Chicago Flower Growers' Association has lost one whose influences and helpfulness were most valued.

RESOLVED, That we extend to the bereaved wife and family, our sincere sympathy.

RESOLVED, That a copy of these resolutions be forwarded to the members of the family, a copy to be spread upon the records of the Board.

George C. Welland, President, Chas. C. McCauley, Fred Schramm, Rudolph C. Ellsworth, Joseph Schoos, Anton Then, Edward Meuret.

MEALY BUG ON CROTONS.

Editor HORTICULTURE:

Dear Sir: I have been much troubled with mealy bug on crotons, and clean off the bugs periodically by washing with soap. Will you kindly give me any information regarding anything more effective which can be used to cure this pest?

Pittsburgh, Pa.

J. W.

In answer to the foregoing inquiry regarding mealy bug on crotons would state that we use a mixture of 1½ ounces of Nicotene and 2 ounces of Imperial soap spray mixed with three gallons of water and spray the crotons with same once a week.

Nahant, Mass.

T. ROLAND.

PAPER WHITE GRANDIFLORA

13 c/m and up (1000-1200 per case).....\$13.50 per 1000
15 c/m and up (900 per case)..... 16.00 per 1000

White Roman Hyacinth

12 c/m and up (1700-1800 per case).....\$36.00 per 1000
13 c/m and up (1700 per case)..... 40.00 per 1000
15 c/m and up (1400-1450 per case)..... 42.50 per 1000

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Cash with order for less than 5 cases, or from those who have not established credit with us.

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LILIUM CANDIDUM

Cold Storage Lilies Always

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Faneuil Hall Square BOSTON

"Seeds with a Lineage" All Varieties

Thoroughly tested at our trial grounds, Raynes Park, London, England. Send for Catalogue

CARTERS TESTED SEEDS, Inc., 166 Chamber of Commerce Bldg., Boston, Mass.

PERSONAL.

Victor May, formerly at "The Reef," Newport, R. I., has taken the position of head gardener for Mr. H. C. Phelps, Roslyn, N. Y.

John C. Gillespie has taken the position of superintendent at the Wilbur estate, Manchester, Vt. This place comprises over 800 acres.

Mrs. Chas. H. Maynard writes that she has fully recovered from the fractured jaw and hopes never to have another, for the pain she endured was simply torture. Best of all she can now eat as usual.

Prof. F. A. Waugh, head of the Division of Horticulture at Amherst, Mass., has recently returned from an extended tour of the national forests, which he found very enjoyable. An interesting note on the "wild lilac" or "buck brush" of California, contributed by Professor Waugh, will be found on another page of this paper.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Reports of Committees.

Exhibited by Elmer D. Smith & Co., Adrian, Mich., at Cincinnati, Oct. 27; var. Mimico; color, pink; pompon; ex. points 91; var. Liberty Bond; color, white; Inc. Jap.; ex. points 86; var. Lorneta; color, white; pompon; ex. points 83. At Chicago, Oct. 29: var. Adriana; color, pink; com. points 91; var., Liberty Bond; color, white; Inc.; com. points 90.

CHAS. W. JOHNSON, Secy.

Manitowoc, Wis.—The Manitowoc Seed Company has increased its capital stock to \$100,000.

GARDENERS' AND FLORISTS CLUB OF BOSTON.

The next regular monthly meeting of the club will be held at Horticultural Hall on Tuesday evening, Nov. 20, at 8 o'clock. At this meeting officers for 1918 will be nominated, there will be a discussion on flower publicity, and an exhibition of late chrysanthemums to which growers are invited to contribute. There will be short lectures on the propagation of evergreens and deciduous trees and shrubs from cuttings and seeds by John Kirkegaard of the New England Nurseries, A. E. Robinson of the Breck-Robinson Company, and W. H. Judd of the Arnold Arboretum. A cordial invitation is extended to all interested in this important subject who may not be club members to be present.

W. N. CRAIG, Secy.

Beverly, Mass.—Amos A. Lawrence has sold the entire contents of his greenhouses at "Beaver Pond," for the benefit of the war work of the Young Men's Christian Association. The sale was at Mr. Lawrence's studio, 85 Chestnut street, Boston, on November 7.

DUTCH BULBS

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MICHELL'S SEED HOUSE, Phila.

BULBS, FRENCH and DUTCH**White French Roman Hyacinths**

12-15 ctms., 13-15 ctms. State quantity wanted and we will make specially attractive prices.

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Fine Mixed Early Single, \$6.50 per 1000.

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Amaryllis, Callas

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38 Dorrance Street

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Of Interest to Retail Florists

FOR ECONOMY.

As a help to florists in acknowledging receipt of mail or telegraph orders, duplication of work would be eliminated by immediately mailing invoice with address of recipient on same, instead of merely the post card acknowledgment which in reality makes a duplication of your work. This would work out economically, and would have a better effect if practised by us all.

Another time and labor saving device is the following sticker which we place on every bill we send out. It is self-explanatory and has worked wonders in this direction for us:

The government is urging stores of our kind to save waste in various ways and to simplify processes so that, as far as possible, unnecessary labor shall be saved and mail clerks and others set free for other work. As one step toward the result demanded of us, we shall not, hereafter, mail receipts except on special request.

Sincerely,
PENN the FLORIST.

Yours for Better Business,
Boston. HENRY PENN.

NEW FLOWER STORES.

Carlstadt, N. J.—Fred Luther, Hackensack St.

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NEW CORPORATION.

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We should all strictly adhere to the re-quest of the United States Food Adminis-tration.

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High Grade Cut Blooms

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BOSTON 1 Park Street
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Deliveries to Steamers and all Eastern Ports

CLEVELAND

A. GRAHAM & SON
5523 Euclid Ave.
Will take good care of your orders
Members of F. T. D. Association.

Orders Filled Day or Night for
CLEVELAND
and State of Ohio
Complete Stock. Regular discount to Trade.
KNOBLE BROS.
1896 W. 25th St., Cleveland, O.
Members Florists' Telegraph Delivery Ass'n.

THE SMITH & FETTERS CO.
735 Euclid Avenue
CLEVELAND, OHIO
Flowers of Every Kind in Season

HESS & SWOBODA
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440 Main St., Buffalo, N. Y.
ANDERSON service means fresh, sturdy
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Mention Florists' Telegraph Association

NEWS NOTES.

Providence, R. I.—A one-story building, used as a storehouse for the Greateon Nursery and its contents were completely destroyed by fire last Sunday evening. Six tons of hay, a wagon and several garden tools were burned, but the loss is covered by insurance.

Short Hills, N. J.—On going to his place of business, one morning last week, J. F. Anderson found that entrance had been made to the garage during the night and car stolen; also 25 gallons of gasoline. Mr. Anderson the first part of the week had placed two new tires on the car at a cost of \$70.00.

Rochester, N. Y.—Salter Bros. had a very attractive Hallowe'en window display. A large witch was arranged in the center with jack o'lanterns filled with flowers and Hallowe'en novelties. J. B. Keller & Sons' window attraction was a table decoration of pumpkins and flowers and Hallowe'en favors surrounded by corn shocks and a rail fence.

Ballston Spa, N. Y.—John C. Robinson of Galway has taken an interest in the business of the Park Place Greenhouse Co., and hereafter the business will be conducted under the name of Reynolds & Robinson, florists. It is expected to greatly increase the present capacity of the plant. Mrs. Robinson will continue her interest in the business and will have charge of floral arrangements.

BUSINESS TROUBLES.

Halliday Bros., of Baltimore, Md., have gone into bankruptcy and have given up everything, the greenhouses and Robert Halliday's home at Moncton, Md., for the benefit of their creditors, among whom John Burton and S. S. Pennock of Philadelphia are the largest. William Halliday's home was completely destroyed by fire a few weeks ago and the family had a very narrow escape.

Effective November 1, the T. J. Kegg Co., retail florists of Cleveland, Ohio, placed their affairs in the hands of a creditors' committee. The disposal of the assets of the company was placed in the hands of the Credit Interchange Bureau of the Cleveland Association of Credit Men. The store fixtures were purchased by L. Fleishman, confectionery dealer. Creditors will receive thirty cents on the dollar or more depending on what can be realized on the accounts.

Send Telegraph, Telephone or Mail orders for florist service in this vicinity to

Howard & Smith
553 SO. OLIVE ST.
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Every Order sure to receive
prompt and careful attention.

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New London and Norwich, Conn.
and Westerly, R. I.

We cover the territory between
New Haven and Providence
ST. LOUIS, MO.

FRED C. WEBER
4326-28 Olive St.

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NOTICE INITIALS. We have one store only

THE J. M. GASSER COMPANY,

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Euclid Avenue

The Far-Famed Flowers of
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Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

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EYRES
Flowers or Design Work
DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER
106 STATE STREET, ALBANY, N. Y.

"THE HOME OF FLOWERS"
The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt attention

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ST. PAUL, MINN.

The Park Floral Co.

B. E. GILLIS, President.
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Members Florists' Telegraph Delivery.
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KERR ORDERS FOR TEXAS
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The Florist Member F. T. D. Association

BOXWOOD

\$15 per 100 lbs.

The small or large leaf variety. The best we have ever handled. Let us book your order now.

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Roses, Gardenias, Orchids, Plumosus, Adiantum, String Smilax, etc.

SPECIAL OFFER. THIS WEEK ONLY

No. 1 Fresh Cut Roses, Short Stems, Suitable for Design

Work \$15.00 per 1,000, assorted.

No. 2 \$20.00 per 1,000, assorted.

No. 3 Assorted Roses, Our Selection, 500 lots.....\$15.00

No. 4 " " " " 1000 " 27.50

No. 4 " " " " 1000 " 20.00

No. 5 " " " " 1000 " 35.00

No. 5 " " " " 1000 " 30.00

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These Special Offers Include: Maryland, Ophelia, Sun-

burst, Prima Donna, Double White Killarney, Shawyer,

Ward and Richmond. All Shipments at YOUR RISK.

When Ordering, Give Number and Quantity Required. Trial Order Solicited.

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WHOLESALE FLORIST
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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

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WHOLESALE FLORIST
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Wired Toothpicks
Manufactured by
W. J. COWEE, Berlin, N. Y.
10,000...\$2.00. 50,000...\$8.75. Sample free.
For sale by dealers.

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Wholesale Florists
RICHLAND, IND.
Please mention Horticulture when writing.

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EXCHANGE, Inc.
WHOLESALE COMMISSION FLORISTS
Consignments Solicited
Hardy Fancy Fern Our Specialty
264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service
ZECH & MANN
We are Wholesale Florists Doing
a Strictly Wholesale Business
30 East Randolph Street, CHICAGO

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.
If interested, send us your name and address for our weekly price list

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Daily consignments from leading growers Full line of Florists' Supplies Write for quotations before ordering elsewhere
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Telephone, Main 6267-6268

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Nov. 8		ST. LOUIS Nov. 5		PHILA. Nov. 5	
Roses						
Am. Beauty, Special	25.00	to 30.00	30.00	to 40.00	15.00	to 25.00
" " Fancy and Extra	6.00	to 20.00	20.00	to 30.00	10.00	to 15.00
" " No. 1 and culls	1.00	to 6.00	5.00	to 12.00	2.00	to 8.00
Russell, Euler, Mock	1.00	to 6.00	5.00	to 20.00	2.00	to 18.00
Hadley	1.00	to 6.00	6.00	to 10.00	2.00	to 10.00
Arenberg, Hoosier Beauty	1.00	to 6.00	1.00	to 1.00	1.00	to 6.00
Ward	1.00	to 6.00	3.00	to 8.00	1.00	to 4.00
Killarney, Radiance, Taft	1.00	to 6.00	2.00	to 4.00	1.00	to 5.00
Ophelia, Sunburst, Hillingdon	1.00	to 6.00	3.00	to 10.00	2.00	to 10.00
Carnations	1.00	to 2.50	2.00	to 3.00	1.00	to 3.00
Cattleyas	40.00	to 50.00	75.00	to 100.00	25.00	to 50.00
Dendrobium formosum	1.00	to 8.00	1.00	to 1.00	1.00	to 1.00
Lilies, Longiflorum	6.00	to 8.00	12.50	to 15.00	6.00	to 10.00
Lilies, Speciosum	6.00	to 8.00	1.00	to 1.00	1.00	to 1.00
Lily of the Valley	6.00	to 8.00	1.00	to 8.00	4.00	to 8.00
Snagdragon	2.00	to 4.00	1.00	to 1.00	3.00	to 8.00
Bouvardia	1.00	to 6.00	1.00	to 1.00	1.00	to 4.00
Violets	.35	to .50	.35	to .50	.25	to .50
Chrysanthemums	4.00	to 8.00	5.00	to 20.00	3.00	to 20.00
Sweet Peas	.50	to 1.00	1.00	to 1.00	2.00	to 3.00
Marguerites	1.00	to 3.00	1.00	to 1.00	1.00	to 1.50
Gardenias	25.00	to 35.00	1.00	to 1.00	20.00	to 25.00
Adiantum	1.00	to 1.25	1.00	to 1.00	.50	to .75
Smilax	8.00	to 12.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	15.00	to 50.00	25.00	to 35.00	25.00	to 40.00

WILLIAM F. KASTING Co.
Wholesale Florists
568 570 WASHINGTON STREET - BUFFALO, N. Y.

HENRY M. ROBINSON CO. OF NEW YORK
WHOLESALE FLORISTS
55-57 West 26th Street
Telephones, 13-8510 Madison Square
MAURICE L. GLASS, Treasurer
Consignments Solicited

J. A. BUDLONG
184 North Wabash Avenue, CHICAGO
ROSES, VALLEY and WHOLESALE CUT FLOWERS
CARNATIONS GROWER of
A Specialty



Flower Market Reports

BOSTON Dull and drowsy, indeed, is the atmosphere of the flower markets these days. Large quantities of fine flowers, mainly chrysanthemums, roses and carnations,, burden the tables and crowd the ice boxes, but takers are "few and far between" and the prospect of a good sized sale is enough to bring the salesman down, down, away down before he will let a customer turn away empty-handed. There are some very fine flowers to be seen, such as single violets, calendulas and Bouvardia Humboldtii, all of which are equal to the best ever exhibited and they are well entitled to a better appreciation than they are getting just now. But all this may change before long and the sooner this happens the better for us all.

There is no marked change in the market conditions. Trade continues to be rather dull, especially early in the week. Shipping trade is not sufficient to relieve the market of chrysanthemums and local trade has not been sufficient to keep prices up to the growers' anticipations. The chrysanthemums are now of the mid-season varieties and the quality is excellent. There are roses to suit every taste and the prices are not a tax on any purse, however small. Some very great concessions are being made to move the stock on the off days which are bound to come some time in every week. The trade does not respond very eagerly to the opportunity to buy violets. The change from winter weather to ideal Indian summer has helped bring out the carnation a little more freely.

The market is well supplied with stock but a cold spell has caused some lines to shorten up somewhat. The demand is active and steady generally. Roses, generally, are in a good supply, but good white ones sometimes run short. Carnations and chrysanthemums are in a fair supply. The good white ones of the latter are cleaning up better than the yellows and pinks. Lilies, callas and orchids are all in the list of daily offerings, also sweet peas, lily of the valley and snapdragon.

CLEVELAND Inclement weather the last few days in October cut a swath in the retail trade and wholesalers found the goods piling up on their hands to a noticeable degree. With the return of good weather, however, demand improved so that during election week trade was rather brisk. Every variety of midseason chrysanthemums are now on the market, William Turners being in full swing. The best are selling as high as \$1 apiece on Euclid avenue. American Beauty roses are plentiful. Carnations are still quite short in spite of the advancing season.

There are occasional days when a semblance of returning life comes into the wholesale flower section. Such a day was last Saturday, which was altogether the best day of the entire week. But Monday



BONNAFFON

This old variety, still one of the best. We are receiving the first cuts and splendid stock it is, at \$10.00, \$12.50, and \$15.00—with a few extra choice at \$20.00.

POMPONS

in all varieties, any color, any quantity, \$2.00, \$2.50, \$3.00 per doz. bunches.

Business Hours
7 A. M. to 5.30 P. M.

Everything in Flowers, Plants, Ribbons, and Supplies.

S. S. PENNOCK COMPANY

The Wholesale Florists of Philadelphia

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117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.
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BALTIMORE
Franklin & St. Paul Sts.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Nov. 5		CHICAGO Nov. 5		BUFFALO Nov. 5		PITTSBURG Oct. 29	
Roses								
Am. Beauty, Special.....	25.00	to 30.00	25.00	to 30.00	25.00	to 30.00	.....	to 25.00
" Fancy and Extra.....	15.00	to 20.00	15.00	to 25.00	20.00	to 25.00	15.00	to 20.00
" No. 1 and culls.....	8.00	to 12.00	5.00	to 10.00	3.00	to 5.00	6.00	to 12.00
Russell, Euler, Mock.....	5.00	to 15.00	4.00	to 20.00	3.00	to 12.00	6.00	to 15.00
Hadley.....	.....	to .....	.....	to	3.00	to 10.00	.....	to
Arenberg, Hoosier Beauty.....	4.00	to 10.00	3.00	to 15.00	5.00	to 10.00	.....	to
Ward.....	4.00	to 8.00	2.00	to 10.00	3.00	to 5.00	4.00	to 10.00
Killarney, Radiance, Taft.....	3.00	to 8.00	2.00	to 10.00	2.00	to 8.00	4.00	to 10.00
Ophelia, Sunburst, Hillingdon.....	4.00	to 12.00	2.00	to 10.00	3.00	to 8.00	4.00	to 10.00
Carnations.....	.....	to 3.00	2.00	to 4.00	1.00	to 3.00	3.00	to 4.00
Cattleyas.....	.....	to 75.00	50.00	to 60.00	40.00	to 50.00	60.00	to 75.00
Dendrobium formosum.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Lilies, Longiflorum.....	.....	to 12.50	10.00	to 12.00	8.00	to 12.00	.....	to 12.00
Lilies, Speciosum.....	.....	to .....	.....	to	4.00	to 6.00	.....	to
Lily of the Valley.....	.....	to 7.00	4.00	to 6.00	6.00	to 8.00	.....	to
Snapdragon.....	4.00	to 6.00	.....	to	3.00	to 5.00	2.00	to 4.00
Bouvardia.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Violets.....	.50	to 1.00	.50	to .75	.50	to .75	.50	to .75
Chrysanthemums.....	8.00	to 25.00	5.00	to 25.00	6.00	to 25.00	6.00	to 35.00
Sweet Peas.....	.....	to 1.00	.....	to .....	.....	to .....	.....	to
Marguerites.....	.....	to .....	.....	to	1.00	to 1.50	.50	to 1.00
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	.75	to 1.25
Smilax.....	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
Asparagus Plu. & Spreu. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	35.00	to 50.00

saw a lapse to the "nothing doing" condition and Tuesday, election day, followed suit. After the election agitation has finally settled down, things may liven up a bit and doubtless when the present crop of roses subsides and the chrysanthemums take their departure this market is due to experience something in the way of a flower famine. Quality in all lines is very good but prices obtained for the best run very low, especially where sales of any good size are made. Pompon chrysanthemums are selling about as

freely as anything. Violets drag badly and some of the up-Hudson growers are sending the heaviest part of their cut to the western markets.

The chrysanthemum is now in full swing and is the leader in the floral procession. Fancy grades are in excellent demand and bring good prices. Medium and lower grades do not go so well. Roses are not quite so plentiful but there is no price advance, probably because

(Continued on page 511)

H. BAYERSDORFER & CO. Manufacturers and Importers

1129 Arch St. PHILADELPHIA, PA.

Fall Novelties Now On Display

New Show Rooms Added

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Choice Cut Flowers

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Phone Farragut 4336

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WHOLESALE FLORIST

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PHONE 608 FARRAGUT NEW YORK
609

IMMORTElLES—Fresh from France
Per doz. bunches, \$4.00; per case,
125 bunches of one color, \$28.00.
JAPANESE FIBRE ROPING—Per
ball, \$70; per case, \$60.00.
FLORISTS' SUPPLIES AND
GREENS.

THE KERVAN CO. 119 W. 28th St.
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WILLIAM H. KUEBLER

Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
8 Willoughby St., Brooklyn, N. Y.

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121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone 2870 Farragut.

Established 1888 Tel. 551 Farragut

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110 West 28th St., New York
We Solicit Consignments of New
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We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER BORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

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111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Nov. 3 1917		First Half of Week beginning Nov. 5 1917	
American Beauty, Special	15.00	to 30.00	15.00	to 30.00
" " Fancy and Extra	10.00	to 12.00	10.00	to 12.00
" " No. 1 and culls	2.00	to 6.00	2.00	to 6.00
Russell, Euler, Mock	1.00	to 8.00	1.00	to 8.00
Hadley	2.00	to 12.00	2.00	to 12.00
Arerberg, Hoosier Beauty	1.00	to 4.00	1.00	to 4.00
Ward	1.00	to 4.00	1.00	to 4.00
Killarney, Radiance, Taft	1.20	to 4.00	1.00	to 4.00
Ophelia, Sunburst, Hillingdon	1.00	to 8.00	1.00	to 8.00
Key	1.00	to 8.00	1.00	to 8.00
Carnations	2.00	to 3.00	1.00	to 3.00

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Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

130 West 28th Street, Tel. Farragut 634,

NEW YORK.

Flower Market Reports

(Continued from page 509)

consumers have switched to chrysanthemums for the time being. Carnations continue to improve and are moving very well. Orchids not quite so plentiful. *Lilium rubrum* continues a feature of the market, the shorts being a favorite item for design work. Pink snapdragon is arriving in quantity and is long stemmed excellent stock.

Business continues fairly quiet with no excitement along any line of trade, owing to the precluded society entertaining incidental to war conditions. There are plenty of good quality flowers of all varieties, American Beauties being over abundant and having absolutely no demand.

Business has a brisk for the past week. Chrysanthemums are very abundant. The run of pompons have begun and includes yellow, bronze, white and lavender, the yellow being the best seller. Roses are all in good quality. Some very fine American Beauties and Francis Scott Keys are on the market. Violets are coming better in color and the demand is larger. Harrisii lilies are in again. Gladioli are still on the market but the quality is poor. Carnations are scarce and not very good. Autumn foliage is being used extensively in basket arrangements of pompons and other chrysanthemums.

VISITORS' REGISTER.

Philadelphia—Mrs. Baumgarten, Milwaukee, Wis.

Rochester, N. Y.—H. A. Barnard, rep. Stuart Low & Co., Enfield, Eng.

Pittsburgh—E. Barnwater, representing John Scheepers & Co., New York City.

New York—Fred. Cowperthwaite, Phila.; Wm. Kleinheinz, Ogontz, Pa.; Paul Huebner, Wayne Junc., Pa.; John Kuhn, Phila.; H. Brown, Richmond, Va.

Boston—Peter Bisset, Washington, D. C.; A. E. Thatcher, Bar Harbor, Me.; C. W. Hoitt, Nashua, N. H.; Ed. Langston, Nashua, N. H.; W. F. Gude and Adolphus Gude, Washington, D. C.; Dr. W. Van Fleet, Washington, D. C.; R. Vincent, Jr., Whitmarsh, Md.

Chicago—J. W. Steiner of R. R. Davis Co., Morrison, Ill.; Miss Tierney of the Bills Floral Co., Davenport, Iowa; Carl Mangelsdorf of the Atchison Seed & Flower Store Co., Atchison, Kan.; R. R. Rollins, Des Moines, Iowa.

Cincinnati—E. J. Fancourt of S. S. Pennock Co., Phila.; M. Legander, Chicago; I. Rosnosky, rep. Michell's, Phila.; Mrs. H. J. Cauffman of Dudley's, Parkersburg, W. Va.; Mrs. McClure of Dudley's, Huntington, W. Va.; Jos. Hill, Richmond, Ind.; Wm. Gardner, Richmond, Ind., and Mrs. W. B. Johnston, Chattanooga, Tenn.

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Wholesale Cut Flowers
Plants, Greens, etc.

5 So. Mole St., PHILADELPHIA, PA.

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We are on the job at all hours of the day, from 6 A. M. to 7 P. M.

We carry the largest line of Supplies in New England and also the best flowers from over one hundred of the leading growers in New England. You can always Depend for SERVICE, PRICE AND QUALITY.

For Safety Place Your Orders With Us

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SERVING THE TRADE AS WHOLESALE COMMISSION FLORIST FOR OVER THIRTY YEARS.

I have room now for a few more regular shippers of good flowers. I have a steady market for all varieties. Make a start now for the coming season.

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NEW YORK

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MISCELLANEOUS

Cattleyas
Dendrobium formosum
Lilies, Longiflorum
Lilies, Speciosum
Lily of the Valley	.....
Snapdragon	.....
Bouvardia	.....
Violets	.....
Chrysanthemums	.....
Sweet Peas	.....
Marguerites	.....
Gardenias	.....
Adiantum	.....
Smilax	.....
Asparagus Plumosus, & Spreng. (100 bunches)	.....

Last Half of Week ending Nov. 3 1917	First Half of Week beginning Nov. 5 1917
15.00 to 35.00	15.00 to 35.00
..... to 50.00	..... to 50.00
4.00 to 8.00	4.00 to 8.00
2.00 to 4.00	2.00 to 4.00
3.00 to 8.00	3.00 to 8.00
1.00 to 4.00	1.00 to 5.00
1.00 to 3.00	1.00 to 3.00
.25 to .40	.25 to .40
6.00 to 20.00	6.00 to 30.00
..... to .....	..... to
1.00 to 2.00	1.00 to 2.00
20.00 to 30.00	20.00 to 30.00
.50 to 1.00	.50 to 1.00
8.00 to 10.00	8.00 to 10.00
15.00 to 25.00	15.00 to 30.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

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ALL THE STANDARD STOCK.

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NOVELTIES AND UNUSUAL VARIETIES A SPECIALTY.

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Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
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Decorative Glassware, Growers and
Florists' Requisites

FLOWER GROWERS

I have a good wholesale market for Pansies, Violets, Carnations and all other stock of quality.

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Importers and Growers of

ORCHIDS

Cut Flowers of All the Leading Varieties
in their Season.

THOMAS YOUNG, Jr., Proprietor
BOUND BROOK, N. J.

Local and General News

BOSTON.

A fire in the Melrose Theatre destroyed the Houghton flower shop which was located in the building.

City employees have begun setting out tulip bulbs in the Public Garden and other parks of the city. More than 200,000 bulbs will be planted.

The big fruit show at Horticultural Hall last week was a pronounced success. Meetings were held daily in conjunction with the exhibition by the American Pomological Society, New England Fruit Show, the National Congress of Agriculture and American Society for Horticultural Science.

The Horticultural Club of Boston had as guests at its November 7 meeting at the Parker House W. F. Gude, Adolphus Gude and Peter Bisset of Washington, R. Vincent, Jr., White-marsh, Md., E. Langston, Nashua, N. H., and Henry Penn of Boston. Current topics of horticultural interest were discussed.

The Annual Meeting of the Massachusetts Horticultural Society will be held at Horticultural Hall at 12 o'clock, noon, on Saturday, November 17, 1917. The officers to be elected are: President, vice-president (for two years), four trustees (for three years), delegate to the State Board of Agriculture (for three years), and nominating committee of five members.

Harold J. Patten, son of M. A. Patten, has received the appointment as chief of ordnance of the state of Massachusetts, and acting chief inspector of small arms practice. Mr. Patten joined the militia in 1906, in company C, 6th Infantry, and passed through the ranks from private to sergeant, being elected 1st lieutenant in 1911. In 1913 he was appointed battalion adjutant of the 6th Infantry and later was appointed to the ordnance department and assigned to the 8th Infantry, with which regiment he went to the Texas border. He anticipates being called to the ordnance department of the army shortly.

NEW YORK.

The two shows, one at the American Institute and the other at the Museum of National History are in full swing as we go to press.

It is said that John N. May, Jr., was on board the U. S. transport Finland when that vessel was torpedoed, and is now back again in France.

There was a "Co-operative Meeting" at the Murray Hill Hotel on Friday, Nov. 9, under the auspices of the National Association of Gardeners.

William Wilbert, special violet salesman for Clarence Slinn for the past four years left on Sunday, November 4, for the training camp at Yopank.

The best commercial chrysanthemum pot plants we have seen anywhere this season are being sent in

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Advertisements in this Department, Ten Cents a Line, Net

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Bulbs of all descriptions. Write for prices.
NEW YORK BRANCH, 8-10 Bridge St.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c; 3000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell.
Stock For Sale.
JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DAISIES

Daisies (Bellis) Monstrosa, white and pink, also Longfellow and Snowball. Thinly sown field-grown seedlings, \$2.50 per 1000, \$11.50 per 5000, cash.

BRILL CELERY GARDENS,
Kalamazoo, Mich.

GLASS

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

by Robert Leach of Jersey City to J. K. Allen.

Appollon Nicholas, son of John Nicholas, florist at Grand Central Station has passed the State Bar examination in the 1st Appellate Division with high honors. He is 21 years old.

The annual Chrysanthemum Show at the greenhouses in Prospect Park opened on Saturday last at 1 o'clock with a very fine exhibit of flowers. There are 160 varieties of chrysanthemums, represented in over 2,700 plants. The exhibit will be open to the public every day from 10 a. m. to 5 p. m. until after Thanksgiving.

There was a good time on Saturday evening, Nov. 3, at Ruschiano's Birch Bark Inn, 409 E. 124th street, when Geo. & Al., "Two Jolly Chumps," gave a smoker and entertainment, assisted by a number of other performers. Geo. & Al. are two employees of the Kervan Company and the affair was attended by many of the boys of the wholesale flower district.

PHILADELPHIA.

Charles E. Meehan reports that his new business venture at 5 So. Mole street is progressing favorably and that the growers and retailers are rallying to his support in excellent shape.

On the Second Liberty Loan, The Bond Club of W. Atlee Burpee & Company subscribed \$22,000. The firm of W. Atlee Burpee & Company purchased a large number of bonds of various denominations, which were distributed in the form of bonuses amongst the employees.

The Floral Nurseries new store at 9 So. Mole street and the manager

MISCELLANEOUS STOCKS

Amphidran, green and variegated, from 6 in. to 10 in. pots. Adiantum Cuneatum from bench, large clumps. Vinca variegata, heavy field plants. Write for prices.

WILLIAM CAPSTICK,
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PANSY PLANTS

Pansy Plants, Strong and stocky. Strains unsurpassed by any for Size of Bloom or Color. \$2.50 per 1000, \$11.50 per 5000. Cash. Satisfaction or your money back.

BRILL CELERY GARDENS,
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PEONIES

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

ROSES

Roses, Cannas and Shrubs. THE CONARD & JONES COMPANY, West Grove, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGER & HURRELL, Summit, N. J.

VINES

Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Pleasant Nursery, New Rochelle, N. Y.

WIRE WORK

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

Wm. Earnshaw are much pleased with the way business has opened up for them. Their wonderful product in roses is a leading feature in the market and they are the only ones cutting gardenias to date so far as we have heard.

The Leo Niessen Co., have a broad smile on the coal question. They bought last April and have enough to carry them through the season at their building 12th and Arch. Besides that, being patriotic they have rented their second floor to the U. S. and if they ran short there would soon be a commander!

A flower show was held on Thursday, November 1, on the estate of Henry J. Laughlin, Chestnut Hill, for the benefit of the American Red Cross. The star prize winner was Stephen Ager, gardener for Mr. Laughlin. He captured twenty-six first prizes and nine seconds. James Fox, employed by John Gribbel, was Ager's nearest competitor with five firsts and a like number of seconds. The School of Horticulture at Ambler and the Chestnut Hill Branch of the National League for Women's Service won firsts in the vegetable and preserve competition. The largest chrysanthemum was exhibited by John McMenamin, gardener for Mr. Brown, of Wyncote. The judges of the show were Thomas Brown, William Boyce, William Morton, James Williams, Frank Shaw and John Dunn.

FOR SALE

SILL OR LET—Modern Greenhouse and Store, 10 miles from Boston, 2 minutes from Station. Reasonable terms to right party. Apply to W. J. STEWART, Horticulture Publishing Co., Boston.

PLAY SAFE—USE

VITRIO**Insecticides and Fungicides**

YOU can't afford to take chances on the Insecticide or Fungicide you use. You have to be sure that it will do what you bought it to do. Use the Vitrio Brand Kind and be sure. Every Vitrio Brand Insecticide and Fungicide notches right up to the rigid quality Standard of the Nitrate Agencies Co. Every ingredient guaranteed.

Send for prices on any or all of those listed below.

VITRIO-BORDO (Paste)
Specially compounded Bordeaux Mixture.

VITRIO-BORDO (Powdered)
Same as above in Powdered form.

ARSENATE OF LEAD POWDER
30-33% Arsenic Oxide.

ARSENATE OF LEAD PASTE
15% Arsenic Oxide.

PARIS GREEN (Pure) VITRIO
Combination of our Special Bordeaux and Arsenate of Lead.

BLUE VITRIOL 99% PURE
Large Clear Blue Crystals.

FISH OIL SOAP
(Usually sold as "Whale Oil Soap")

Send for our Spraying Calendar.

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Aphine
The Insecticide that kills plant Lice of many species

The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

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For mildew, rust and other blights affecting flowers, fruits and vegetables.

Quart, \$1.00; Gallon, \$3.50.

VERMINE

For eel worms, angle worms and other worms working in the soil.

Quart, \$1.00; Gallon, \$3.00.

SOLD BY DEALERS.

Aphine Manufacturing Co.
MADISON, N. J.

LEMON OIL CO'S
STANDARD'S
SOLUBLE IN WATER
NO ODOR INSECTICIDE NO POISON

Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard Insecticide will prevent ravages on your crops by insects.

Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses, Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 25c; Pint, 40c; Quart, 75c;
1/2 Gallon, \$1.25; Gallon, \$2; 5 Gallon Can, \$9; 10 Gallon Can, \$17.50.
Directions on package.

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Dept. S. 420 W. Lexington St., Baltimore, Md.



**Sold by Seed Dealers and Used in
New England 35 Years**

Hammond Insecticides used by Florists and Gardeners for generations, and before this our paint was used on Hot Houses because it did not wash off. Twemlow's Putty is unexcelled.

Send for Pamphlets or information regarding your needs.

HAMMOND'S PAINT & SLUG SHOT WORKS
Beacon, N. Y., U. S. A.

OUR PRODUCTS SOLD BY SEED DEALERS

Don't Think Only of Scale
when you think of
"SCALECIDE"
it is all there is to
Dormant Spraying

Does *all* that any other spray will do—but no other spray will do *all* that "SCALECIDE" will do. Kills all kinds of scale—all forms of fungus and insects that can be reached in dormant season—and invigorates your trees—and costs no more. *Read our money-back proposition* before ordering anything else.

Send for free booklet,
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B. G. Pratt Co., Mfg Chemists
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For Spraying

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For Fumigating

Ask Your Dealer For It

NICOTINE MFG. CO.
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**CONCENTRATED PULVERIZED
MANURE**

Pulverized or Shredded
Cattle Manure
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The Florists' standard of uniform high quality for over ten years. Specify: **WIZARD BRAND** in your Supply House order, or write us direct for prices and freight rates.
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mention **HORTICULTURE**.



Use N. A. C. Products for more profitable results. Send for prices on our complete list of Fertilizers and Insecticides.

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Harry A. Bunyard, Mgr.

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Est. 1765

Pot Makers for a
Century and a Half**HEWS****STRONG
RED
POROUS****POTS**

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World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**CHICAGO.**

Fred Lautenschlager left for his annual trip to the flower shows, where the merits of the Kroeschell Bolders will be impressed upon visitors and exhibitors, as only he can do it.

Chas. Samuelson has returned from a visit to his apple orchard in Idaho. He reports a good crop but says there were many whose fruit was greatly injured by the early freeze.

The Chicago Florists' Club meeting of Nov. 8th was postponed to permit its members to attend the flower shows at Galesburg, Ill., Des Moines, Iowa, and Cleveland, Ohio. The next meeting will be held Nov. 15th at the Briggs House at 8 p. m.

A daring holdup was carried out with such success that the Sefton Manuf. Co. is minus \$7,000 for its monthly payroll. As their paymaster was nearing the factory Oct. 31st, accompanied by a policeman, they were attacked and robbed. Nearby, autos were in waiting and the daring robbers escaped.

The National Association of Gardeners will meet in Chicago, Dec. 5, 6 and 7. The committee of arrangements is meeting today, Nov. 5th, and a fine program and entertainment is planned, including a luncheon at the summer home of J. Ogden Armour, whose gardener Thos. W. Head is president of the Association.

Mr. and Mrs. Jas. G. Hancock had a brief visit with their daughter Franc when she passed through Chicago on her way to Washington, D. C., where she was called to confer with Food Administrator Hoover. Miss Hancock has her commission to supervise the women's work in the state of Nevada, where she has been for the past two months lecturing on food conservation.

Florists are seldom appealed to in vain, but the results are not always so satisfactory as in this case. One of the young ladies of the Quadrangle Club of the University of Chicago was given ten dollars' worth of flowers by John Mangel, the Palmer House Florist, and some material for making up was donated by Johnson & Cronis. They made up into boutonnières and sold netting \$125 for the Red Cross.

The reports of some of the large retailers regarding the excellent keeping qualities of the western chrysanthemums are not welcomed by the wholesalers. As stated in Chicago notes two weeks ago, "this refers to early ones only." That our early chrysanthemums were not as good as usual this year has been heard in the market till it needs no repetition. A cold, cloudy month preceded their entrance into the cut-flower market and they had to stand the test of competition, side by side with the big strong

blooms grown practically out of doors in the sunshine of the Pacific slope. The home stock now being cut is in fine condition and its keeping qualities unimpaired, while the coast blooms are nearing the end of their season.

PITTSBURGH.

Carl Volker, formerly with the A. W. Smith Co., has re-enlisted in the floral department of Kaufman Brothers.

Mr. and Mrs. Ernest C. Ludwig and Miss Jean Daniels will leave on Monday next to spend a few weeks at Atlanta, Ga.

The Pittsburgh Florists' and Gardeners' Club has changed its headquarters from the Fort Pitt Hotel to the North Side Carnegie Hall.

The first exhibition of the Horticultural Society of Western Penn. was held on last Friday and Saturday in the rooms of the Jackson Sales Company.

The following are among those attending the National Flower Show in Cleveland: Carl Becherer, David W. Fraser, James Moore, Manus Curran, William Thompson and A. A. Leach.

Peter Matsukes, formerly in business at the East Liberty Station, P. R. R., has started an attractive flower shop at 6214 Penn avenue with his brother John J. Matsukes as head salesman.

On Friday afternoon of last week Frederick Wissenbach addressed the members of the Garden Club of Allegheny County, whom his employer, Andrew W. Mellon, entertained, on the growing of outside chrysanthemums.

Accompanied by his family, Fred Burki of the Pittsburgh Flower Company, left on last Friday night to spend the winter on the Pacific coast. Prior to his departure, Mr. Burki's business associates gave the family a farewell dinner at the Hotel Chatham.

The G. P. Weaklen Company has purchased the holdings of the Landscape Floral Co., including 6½ acres of land with ten greenhouses, dwelling and all the stock and equipment, for the consideration of \$21,000. The property will be operated in connection with the Weaklen store at East Liberty.

About \$5,000 in prizes were recently awarded in the garden and flower contest of the Wilmerding Welfare Club and the Westinghouse Airbrake Company. There were one hundred and twelve contestants, Mrs. M. Youngshonis winning the \$1,000 prize for flower culture and general appearance of grounds.

The landscape department staff of the A. W. Smith Co. has again been depleted by the departure of Howard E. Andrews on last Monday with the Reserve Signal Corps for Governor's

Island, N. Y. Miss Helen Spaulding, who has been with the same firm, has resigned owing to indifferent health and will return to her home in Connecticut.

One of the attractions of Pennsylvania Day on Saturday last at State College, Pa., was the exhibition of fruits and vegetables by the Crab Apple Club, a student organization of the Department of Horticulture. The annual intercollegiate fruit judging contest, by teams representing a number of eastern agricultural colleges, will be held this year in December.

CLEVELAND.

Friends of Fred Westerburg, grower of near Warrensville, who is now in the national army at Chillicothe, will be pleased to know that he has been made a sergeant. He was in camp little more than a week before he was advanced.

Three new flower stands have been opened in Cleveland during the past week with the opening of two new market houses in the East End, one at the East 105th and Euclid market, by Miss Pearl Adam, formerly with Miss Christine, and the other by Gertrude Burkhardt and Edward C. Bauers, brother and sister, and which will be operated distinct from the Burkhardt Floral Co., at 8528 Broadway. A third stand has been opened in the East 105th and St. Clair market house as a selling branch of the A. C. Fox flower and seed store at 10504 St. Clair avenue.

Owing to the advance in materials and the increased cost of doing business the Wholesale Florists' Credit Association sent notice October 30 to the florist trade of Cleveland and vicinity stating that it will be necessary on and after November 1 to ship all goods C. O. D. to customers who have not settled accounts within thirty days after the date of the first statement. For example, if an account due and payable November 10 is not paid by October 1, C. O. D. terms will prevail and will be strictly enforced. This action is in accordance with the request of the National Association of Credit Men to the effect that terms of sale be strictly adhered to and that all accounts be kept in a liquid condition. Retailers were also urged to sell for cash whenever possible and to discourage the opening of charge accounts.

**STANDARD FLOWER
POTS**

If your greenhouses are within 500 miles of the Capitol, write us; we can save you money.

W. H. ERNEST
20th & M Sts., Washington, D. C.

CYPRESS GREENHOUSE STOCK

PECKY CYPRESS STOCK

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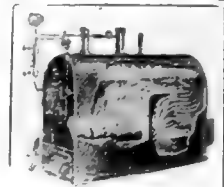


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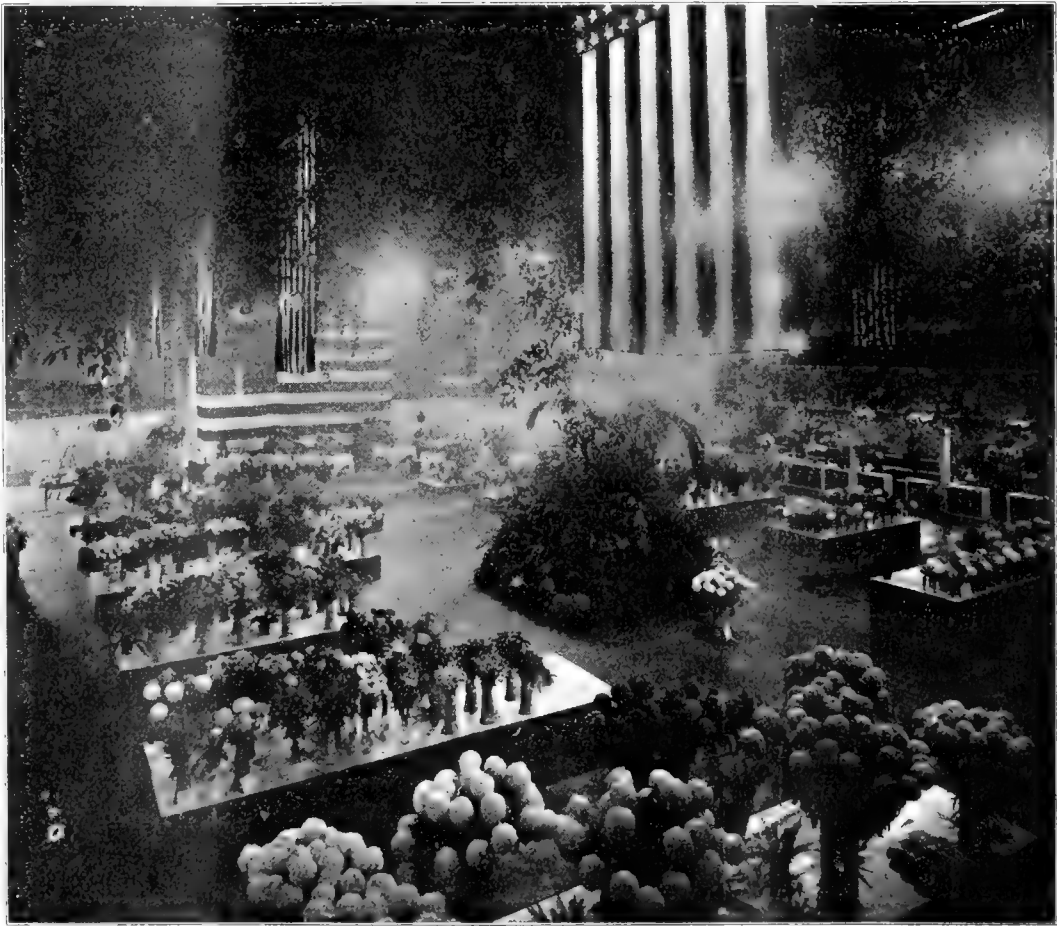
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The success of the Fifth Annual Cleveland Flower Show on the scale on which it was carried out, well justifies the decision of the Cleveland committee in planning such an elaborate exhibition. On account of not being able to secure the Coliseum, this year, it was impossible to equal the success of the 1915 show. However the decision to use the Grays Armory was much better than the original plan of holding an exhibition in restricted quarters at the Hotel Statler. And in many ways the Armory is a better building for exhibitions than the Coliseum, although much smaller, for the roof is high and the entire floor space without a single obstruction as is the case at the Coliseum.

The annual meetings and exhibitions of the national Rose and Chrysanthemum societies brought florists to Cleveland from every section of the United States and from Canada. Over three hundred florists were visitors in Cleveland during the Flower Show, and about a hundred from Cleveland and vicinity brought the total trade attendance to over 400, making the four days a veritable national convention as well as a national exhibition.

Thursday, November 8, was Chrysanthemum Day. Staging was completed at 11 a. m. when the judging began. The building was open to the public from 2 to 10.30 p. m. The annual meeting of the Chrysanthemum Society of America was held in the Club rooms at Grays Armory at 4 p. m. In the evening the bowling match between Cleveland and Detroit florists took place. Roses and carnations and miscellaneous plants were judged on Friday. At 3 p. m. the meeting of the national publicity committee of the S. A. F. and Ohio Horticultural Society, as well as chairmen of Ohio counties was held, and at 4 p. m. the Fall meeting of the American Rose Society. The annual banquet of the flower show was held at 8 p. m. Friday evening.

On Saturday and Sunday the show was open to the public from 10 a. m. to 10.30 p. m. On Saturday members of the Women's Florist Club of Cleveland entertained all out-of-town ladies at a luncheon at the Cleveland Athletic Club and a theater party at the matinee. During the show a number of automobiles were kept at the disposal of the reception and information committee, S. M. Pentecost, chairman, and many trips were organized among the visitors, including visits to the large greenhouses in and near Cleveland.

The Cleveland committee deserves the greatest credit for the manner in which the show was carried off. H. P. Knoble, general chairman, and M. A. Vinson, manager, were among the most active, as well as the following chairmen of committees: S. M. Pentecost, information and reception; Frank Ritzenthaler, entertainment; George Bate, publicity; Frank J.

Schoen, decoration; Frank A. Friedley, staging; F. R. Williams, trade displays, Charles Russell, retail displays, Herman Hart, commercial premiums; Robert Weeks, non commercial premium; Timothy Smith, admission. The flowers stood up exceptionally well throughout the show.

The National Publicity Committee of the S. A. F. held a meeting in the Club Rooms at Grays' Armory, Friday afternoon at 3 o'clock, in connection with a meeting of the chairmen of Ohio county committees. The general publicity situation was gone over and it was decided to hold another meeting of both the finance and advertising committees at Hotel Statler, on Friday, December 7. From reports made at the meeting it was announced that all money will be subscribed by January 1, and will be payable in semi-annual installments in January and July. A uniform schedule, worked out in Chicago, and presented by Fred Lautenschlager was adopted by the meeting.

THE BANQUET.

Two hundred and fifty florists from all parts of the United States and from Canada sat down to the annual banquet of the fifth Cleveland show in the new ballroom of the Hollenden Hotel, Friday evening. The walls were decorated with American and Canadian flags, and each table with a basket of roses as a center piece. Music was furnished by an orchestra centered in a bank of ferns, chrysanthemums and palms, on a platform at one side of the room. The singing of the Metropolitan male quartet was repeatedly encored.

Carl Hagenburger, president of the Cleveland Florists' Club, opened the program by welcoming the visiting florists, and introducing Adam Graham, dean of Cleveland florists, as toastmaster. In a few remarks Mr. Graham traced the development of the florist trade from the time he came to Cleveland fifty-two years ago to the present time, tracing the effect of the telephone, telegraph and rapid transportation, as well as the improved methods of building and heating greenhouses. William Vert, president of the Chrysanthemum Society of America was the second speaker.

Charles H. Totty, president-elect of the S. A. F., the third speaker, spoke strongly for the publicity plans of the S. A. F. The benefits of co-operation according to Mr. Totty were great, and publicity is going to be the greatest asset the florist trade has ever known. He congratulated Cleveland for the foremost position it has taken in the matter of co-operation and publicity and stated that by showing the same spirit and enthusiasm other cities could take a similar place and reap the same benefits.

Benjamin Hammond, president of the American Rose Society, made an eloquent appeal to the florists to maintain the high standards of their busi-

ness, especially in these war times. He asked them not to forget that the cultivation of flowers brings out the best in man's nature and has a far reaching salutary effect on the spirit of the community, which is reflected in tidy dooryards and wholesome, contented citizens. This is a time of all times when these things are of value.

Philip Breitmeyer, of Detroit, paid a tribute to the ladies and emphasized their importance especially in the retail side of the business. Florists have awakened to the value of women and have them in their stores to help out. There is no better vocation than that of florist, said Mr. Breitmeyer, and, considering their universal appeal, nothing more essential and real in these times than flowers. He spoke of the advantages of the F. T. D. with its 550 branches throughout the country. He said that in the rivalry between Cleveland and Detroit he no longer questioned Cleveland's place as Sixth City, because Detroit was now Fourth City.

Fred Lautenschlager, of Chicago, said that Cleveland was neither Sixth City nor Fourth City, but first city in the development and appreciation of co-operation between florists. Cleveland, he said, is teaching the United States the benefits of trade welfare and had demonstrated the value of trade publicity. He said he did not agree with anyone who said that florists were among the non-essentials and ought to be discriminated against in war time. In this connection he quoted a clipping of the November 3rd issue of Horticulture, "Back to the Stone Age," by George C. Watson. He urged other cities to do what Cleveland is doing to make itself the foremost floral city in the country.

J. H. Dunlop, of Toronto, acknowledged the references of previous speakers to English-speaking unity in North America. He said he had been referred to as "from across the line," but there is no across the line so long as our countries are engaged in a mutual contest for liberty.

The speaker of the evening was Dr. W. H. Lichliter, pastor of Epworth Memorial Church, Cleveland. He took as his theme the passage "Roses blooming in soot," from The Turmoil by Booth Tarkington, and made a plea for idealism in business. It is not the amount of work you get done but the spirit in which you do work, he said. Every man should be bigger than his business, should have some door opening out of his work which embraces a wide vista of outside things. The florist in bringing out the best in nature should feel that he is a co-worker with God in bringing into the world beauty and happiness. Just as the florist in seeking to improve the scent of the rose sets about to improve the rose, so in these times, the nations in seeking to improve the expression of mankind should set about making better men, and the florist is not least in aiding toward this end.



Banquet, Fifth Cleveland Flower Show, Hollenden Hotel, Friday Evening, November 9th. 250 Present

The banquet closed with the singing of the "Star Spangled Banner."

COMMERCIAL EXHIBITORS.

The four walls of the armory were taken up with trade exhibits which were no less beautiful and interesting than the non-commercial entries which occupied the center of the room. They were: Lord & Burnham Co., greenhouses, H. P. Merrick, Cleveland manager in charge; Julius Roehrs Co., Rutherford, N. J., a rich display of plants; A. N. Pierson, Inc., Cromwell, Conn., represented by H. C. Neubrand and Robert Karlstrom; E. G. Hill Co., Richmond, Ind., represented by E. G. Hill; Stumpp & Walter Co., New York City; Walter E. Cook, representative; Charles H. Totty, Madison, N. J.; Carl Hagenburger, West Mentor, O.; The Friedley Co., Cleveland; L. Westberg & Son, Warrensville, O.; T. W. Lisy, Cleveland; Jones-Russell Co., Cleveland; Knoble Bros., Cleveland; Schoen Floral Co., Cleveland; J. M. Gasser Co., Cleveland; Paul C. Hahn, Cleveland; Hart Bros., Cleveland; Westman & Getz, Cleveland; Wyckoff Floral Co., Chagrin Falls, O.; Women's Floral Club of Cleveland; F. T. D. Association; Elmer D. Smith, Adrian, Mich.; Nauman Co., Cleveland; F. R. Pierson, Tarrytown, N. Y., ferns, represented by John Fotheringham; Robert Craig Co., Philadelphia, represented by Leonard J. Sieger; Joseph Manda, orchids, West Orange, N. J.; John A. Brooks, irrigation system, Toledo, O.; Little Wonder Plant Irrigator, Lamar, Colo.; Cleveland Red Cross, sale of potted plants for Comfort Kit Fund, Miss Elizabeth Climo and Miss Mariette Chandler in charge.

THE AWARDS.

CHRYSA. HYMENUS.

Best seedling chrysanthemum not disseminated, E. G. Hill Co., Richmond, Ind.
 Best seedling chrysanthemum, H. P. Merrick, Cleveland.

Ten blooms, crimson, Chas. H. Totty, silver cup.
 Ten Josephine Foley, J. M. Gasser Co., Cleveland, 1st.

Twelve blooms, short stems, Mrs. H. N. Totty, Grosse Point, Mich., gard. T. P. Connor, silver medal; Mrs. E. M. Horne, Sewickley, Pa., gard. M. Curran, bronze medal.

Twelve novelty Jap. anemone, Robert E. Tyson, Convent, N. J., silver cup.

Three varieties, six blooms each, Mrs. James W. Corrigan, Cleveland, gard. Louis Barnet, 1st.

Ten blooms, one variety, certificated in 1916, Mrs. James W. Corrigan, 1st.

Six varieties, singles, Chas. H. Totty, silver cup.

Twelve Richmond, C. Merkel & Sons, Mentor, 1st. Twelve Whittier, J. M. Gasser Co., 1st.

Twenty-four blooms, 24 varieties, short stems, E. L. Ford, Grosse Point, Mich., gard. Robert Lillie, silver cup.

Six Barbara Davis, J. M. Gasser Co., 1st.

Ten blooms, 10 varieties, Mrs. H. N. Totty, 1st.

Twelve sprays Katewood, Miss Katherine D. Holden, Cleveland, gard. Robert Weeks, 1st.

Six blooms, six varieties, Mrs. E. M. Horne, silver medal.

Fifty blooms, one variety, Daisy Hill Farms, Chagrin Falls, O., gard. Paul Backhoven, 1st; Jos. H. Hill Co., Richmond, Ind., 2d; C. Merkel & Sons, 3d.

Twenty-five White, E. G. Hill Co., Daisy Hill Farms, 2d; Chas. H. Totty, 3d. Twenty-five Yellow, E. G. Hill Co., 1st; Mrs. Jas. W. Corrigan, 2d; J. M. Gasser Co., 3d. Twenty-five Pink, Daisy Hill Farms, 2d. Twenty-five Bronze, Chas. H. Totty, 1st; J. M. Gasser Co., 2d. Twenty-five any other color, Daisy Hill Farms 1st. Sweepstakes for best 25 blooms, E. G. Hill Co., silver vase.

Vase twelve White, E. G. Hill Co., 1st; Mrs. Jas. W. Corrigan, 2d; Daisy Hill Farms, 3d. Twelve Yellow, E. G. Hill Co., 1st; Mrs. Jas. W. Corrigan, 2d; Chas. H. Totty, 3d. Twelve Pink, E. G. Hill Co., 1st; Chas. H. Totty, 2d. Twelve Bronze, Chas. H. Totty, 1st; J. M. Gasser Co., 2d. Twelve any other color, Chas. H. Totty, 1st; Mrs. Jas. W. Corrigan, 2d. Sweepstakes for best 25 blooms, Chas. H. Totty.

Thirty-six blooms, 36 varieties, short stems, Chas. H. Totty, 1st; E. G. Hill Co., 2d; E. C. D. Scott, Adrian, Mich., 3d.

Twenty-five vases, Pompons, Singles, Anemones and Decorative, Chas. H. Totty, 1st; C. Merkel & Sons, 2d; Mrs. Jas. W. Corrigan, 3d.

ROSES—COMMERCIAL

25 blooms any variety not yet in commerce, A. N. Pierson, American Rose Society silver medal; E. G. Hill Co., A. R. S. certificate; F. R. Pierson, Tarrytown, N.

Y., certificate, Robert Simpson, Chifton, N. J., certificate.

Vase 100 roses arranged for effect, Rolf Zetlitz, Lima, O., 1st; John H. Dunlop, Toronto, Ont., 2d; F. R. Pierson, 3d.

Twenty-five roses, 1916 and 1917 dissemination, one variety, A. N. Pierson, 1st. Twenty-five blooms, one variety, to be disseminated 1918, A. N. Pierson, 1st; E. G. Hill Co., 2d; F. R. Pierson, 3d.

Seedling rose undisseminated, 3 medals, A. N. Pierson 1st; E. G. Hill Co., 2d; John H. Dunlop, 3d.

Fifty clusters of Baby roses arranged for effect, J. M. Gasser Co., 1st; F. R. Pierson, 2d. Fifty American Beauties, F. R. Pierson, 1st. Fifty Mrs. Charles Russell, Rolf Zetlitz, 1st; F. R. Pierson, 2d. Fifty Ophelia, J. M. Gasser Co., 1st; Rolf Zetlitz, 2d; Meyer & Drann, Elmhurst, Ill., 3d. Fifty Richmond, J. M. Gasser Co., 1st; F. R. Pierson, 2d. Fifty Mrs. George Shawyer, A. N. Pierson, 1st. Fifty Mrs. Aaron Ward, A. N. Pierson, 1st; F. R. Pierson, 2d. Fifty Sunburst, A. N. Pierson, 1st; F. R. Pierson, 2d. Fifty White Killarney, J. M. Gasser Co., 1st; A. N. Pierson, 2d; F. R. Pierson, 3d. Fifty Hoosier Beauty, Rolf Zetlitz, 1st; F. R. Pierson, 2d; A. N. Pierson, 3d. Fifty any other pink, Jos. H. Hill Co., 1st; J. M. Gasser Co., 2d; A. N. Pierson, 3d. Fifty any other yellow, A. N. Pierson, 1st. Fifty any other red, F. R. Pierson, 1st; A. N. Pierson, 2d.

One hundred blooms of any new variety to be disseminated in 1918, arranged for effect, A. N. Pierson, Inc., 1st; Jos. H. Hill Co., 2d; F. R. Pierson, 3d.

Fifty blooms not previously exhibited, Jos. H. Hill Co., 1st; John H. Dunlop, 2d; Dailladonze Bros., 3d.

CARNATIONS

One hundred white, Cottage Gardens Co., Queens, N. Y., 1st; Jos. H. Hill Co., 2d; J. M. Gasser Co., 3d. One hundred flesh pink, Jos. H. Hill Co., 1st; J. M. Gasser Co., 2d. One hundred light pink, J. M. Gasser Co., 1st. One hundred dark pink, J. M. Gasser Co., 1st; Jos. H. Hill Co., 2d. One hundred scarlet, Anton Then, Chicago, Ill., 1st; J. M. Gasser Co., 2d; Jos. H. Hill Co., 3d. One hundred any other color, Jos. H. Hill Co., 1st.

MISCELLANEOUS

Twenty-five stalks Lilium giganteum, Friedley Company, East Cleveland, 1st; Bramley & Son Co., 2d.

One hundred double violets, Ethan & Coon, Rhinebeck, N. Y., 1st. One hundred single violets, Carl Hagenburger, West Mentor, O., 1st.

One hundred lily of the valley, J. M. Gasser Co., 1st.

One hundred Antirrhinum, Carl Hagenburger, 1st.

COMMERCIAL SPECIALS

Six Cyclamen, Friedley Co., 1st; Bram-

ley & Son, 2d. Mariana pompon, Jos. H. Hill Co., 1st. Lillian Doty pompon, Jos. H. Hill Co., 1st. White Doty, Jos. H. Hill Co., 1st. Straw flowers, Wyckoff Floral Co., Chagrin Falls, O., certificate. Thirty Primulas, Thomas W. Lisy, Cleveland, 1st. Twelve ferns, L. Westerborg & Son, Warrensville, O., honorable mention. Twenty Jerusalem Cherries, Carl Hagenburger, gold medal.

CHRYSANTHEMUMS, CUT FLOWERS, NON-COMMERCIAL

Twelve White, Mrs. Jas. W. Corrigan, 1st; Mrs. C. A. Otis, Willoughby, gard. Hugh Thomas, 2d; Mrs. L. Dean Holden, Cleveland, gard. Henry Koltoff, 3d. Twelve Yellow, Mrs. Jas. W. Corrigan, 1st; Mrs. C. A. Otis, 2d. Twelve Pink, Mrs. C. A. Otis, 1st. Sweepstakes, Mrs. Jas. W. Corrigan, special vase. Specimen, Mrs. Jas. W. Corrigan, 1st; Mrs. C. A. Otis, gold medal. Six White, Mrs. H. N. Torrey, 1st; E. L. Mason, Jr., Sewickley, gard. Jas. E. Murphy, 2d; Wm. G. Mather, Cleveland, gard. Geo. Jacques, 3d. Six Yellow, Mrs. E. M. Horne, 1st; Wm. G. Mather, 2d; Mrs. H. N. Torrey, 3d. Six Pink, Mrs. E. M. Horne, 1st; E. L. Ford, 2d; Wm. G. Mather, 3d. Six Bronze, Mrs. H. N. Torrey, 1st; E. L. Ford, 2d. Sweepstakes, Mrs. H. N. Torrey, Specimen bloom, Mrs. H. N. Torrey, 1st. Twenty-five sprays single White, Wm. G. Mather, 1st; Miss Katherine D. Holden, gard. Robert Weeks, 2d; Mrs. L. Dean Holden, gard. Henry Koltoff, 3d. Twenty-five sprays single Yellow, Mrs. Jas. E. Corrigan, 1st; Miss Katherine D. Holden, 2d; Mrs. L. Dean Holden, 3d. Twenty-five sprays single Pink, Miss Katherine D. Holden, 1st; Mrs. L. Dean Holden, 2d; Mrs. Jas. W. Corrigan, 3d. Twenty-five sprays single Red, Miss Katherine D. Holden, 1st; Mrs. L. Dean Holden, 2d; Wm. G. Mather, 3d. Twenty-five sprays single Bronze, Wm. G. Mather, 1st; Mrs. E. M. Horne, 2d; Mrs. L. Dean Holden, 3d. Sweepstakes, Wm. G. Mather, special flower vase.

Twenty-five sprays pompons, White, Mrs. Jas. W. Corrigan, 1st; Miss Katherine D. Holden, 2d; Mrs. L. Dean Holden, 3d. Twenty-five pompons, pink, Mrs. Jas. W. Corrigan, 1st; Mrs. L. Dean Holden, 2d; Miss Katherine D. Holden, 3d. Twenty-five pompons, yellow, Miss Katherine D. Holden, 1st; Wm. G. Mather, 2d; Mrs. L. Dean Holden, 3d. Twenty-five pompons, red, Miss Katherine D. Holden, 1st. Twenty-five pompons, bronze, Miss Katherine D. Holden, 1st. Sweepstakes, Miss Katherine D. Holden, special flower vase. Twenty-five sprays Anemone-flowered, White, Miss Katherine D. Holden, 1st. Twenty-five sprays Anemone-flowered, Yellow, Mrs. L. Dean Holden, 1st. Sweepstakes, Miss Katherine D. Holden, special flower vase.

Thirty-six blooms, 6 varieties, 6 blooms each, H. S. Firestone, Akron, O., gard. Wm. Fischer, The Corrigan cup.

Most perfect bloom in the Corrigan Cup class, H. S. Firestone, 1st.

ROSES—NON-COMMERCIAL

Twelve Red, Mrs. Jas. W. Corrigan, 1st. Twelve White, Mrs. Jas. W. Corrigan, 1st. Twelve Pink, Mrs. Jas. W. Corrigan, 1st; H. S. Firestone, 2d. Twelve any other color, Mrs. Jas. W. Corrigan, 1st.

CARNATIONS—NON-COMMERCIAL

Twenty-five red, Mrs. Jas. W. Corrigan, 2d. Twenty-five white, Mrs. Jas. W. Corrigan, 2d. Twenty-five any other color, Mrs. Jas. W. Corrigan, 2d; Wm. G. Mather, 3d.

MISCELLANEOUS—NON-COMMERCIAL

Twelve Cypripediums, Mrs. C. A. Otis, silver medal.

Hybrid Cattleya, Laella Cattleya or Brasso-Cattleya, J. B. Schlottman, Grosse Point, Mich., gard. A. H. Jackson, 1st.

Six Begonias, Lorraine type, Wm. G. Mather, 1st; C. W. Wason, Cleveland, gard. Jas. Stevens, 2d.

Group foliage plants, Mrs. Jas. W. Corrigan, 1st.

Group of flowering and foliage plants (amateur), Wm. G. Mather, 1st; Mrs. L. Dean Holden, 2d.

NON-COMMERCIAL SPECIALS

Hanging baskets, Wm. G. Mather, certificate of merit. One hundred Sunburst roses, Mrs. Jas. W. Corrigan, certificate of merit. One hundred Ophelia roses, Mrs. Jas. W. Corrigan, 1st. One hundred Hoosier Beauty roses, Mrs. Jas. W. Corrigan, 1st. Lemon plant, Mrs. C. A. Otis, gold medal.

HERE AND THERE AT THE FLOWER SHOW.

Newspaper publicity for the show was handled by Mrs. Ella Grant Wilson.

John D. Rockefeller was an exhibitor, sending a hibiscus, a native Hawaiian plant.

"Happiness" was the title of a beautiful brochure distributed at the stand of the Jones-Russell Co.

William G. Mather, president of the Ohio Horticultural Society and executive chairman of the Flower Show, awarded the prizes.

Cut flowers were sold at the booth of the Women's Florist Club of Cleveland. Members of the club took turns serving the public.

Two features of A. N. Pierson, Inc., were the new Mrs. Henry Winnett rose, and a new chrysanthemum "Elizabeth Firestone."

Governor James M. Cox of Ohio, gave the name of "Betsy Ross" to a new white chrysanthemum grown and exhibited by Elmer D. Smith of Adrain, Mich.

H. S. Firestone, who won the Corrigan Cup, for the best chrysanthemums from private growers, is president of the Firestone Tire & Rubber Co., Akron, O.

"Joan of Arc" was the name chosen by President Woodrow Wilson for a new French chrysanthemum with long petals. It was imported and exhibited by Charles H. Totty.

James Moore, supervisor of Phipps Conservatory and North Side Park, Pittsburgh, returned home Friday evening, to prepare for his annual exhibition of chrysanthemums.

"Barbara Davis" was the name given by Mayor Harry L. Davis of Cleveland to a new bronze chrysanthemum exhibited by the J. M. Gasser Co. Mayor Davis was one of the donors of prizes.

Downtown florists made good use of their windows to advertise the show. The J. M. Gasser Co. exhibited its Barbara Davis chrysanthemum in its window on Euclid Avenue. Other prize winning flowers were borrowed by downtown stores. Knoble Bros. mentioned the Flower Show in its newspaper advertising.

The feature of Saturday at the show was the judging of decorated tables by private gardeners. These tables had attracted great attention throughout the week. The silver medal was won by the table of Miss Katherine D. Holden, Robert Weeks, gardener. It was simply but tastefully adorned with a centerpiece of orchids.

When Philip J. Foley, of Chicago, came to register at the Armory he was nonplussed to see his well known signature on the book just where he intended to write. He thought someone was playing a joke on him until he learned that he was the first one to register this year and had been the last one to register last year.

Miss Elizabeth Climo and Miss Mariette Chandler presided at the Red Cross booth at the Flower Show. Potted plants and ferns were donated by individuals and firms throughout the city and sold by the young ladies for the benefit of the Comfort Kit fund. The committee plans to send 15,000 kits to the boys in France.

The Pittsburgh delegation, headed by Ernest Guter, arrived 25 to 30 strong and took the Chrysanthemum Society by storm, capturing the chrysanthemum show for Pittsburgh next year. Mr. Guter was elected vice-president of the society. All other officers were re-elected. Mr. Guter is private gardener for R. B. Mellon.

Mrs. A. J. Heil and Mrs. Arthur Black, presided at the F. T. D. booth and gave out printed slips explaining the delivery. C. E. Russell was in charge of the F. T. D. exhibit. The huge billboard, advertising the F. T. D., which was to have occupied one end of the armory was placed beside the sidewalk outside of the armory at the last minute. It was thought a better effect could be produced by replacing it with a mammoth American flag.

As in previous years the Flower Show was advertised to downtown Cleveland by means of signs and arrows on the poles along the main thoroughfares. The poles were covered with bark to simulate trees with a cluster of foliage above. On each tree thus made was a wooden arrow pointing in the direction of Grays Armory bearing the legend, "To Flower Show—Grays Armory, Nov. 8-11." The show was thus advertised to Clevelanders and visitors from out-of-town had no difficulty.

NATIONAL ASSOCIATION OF GARDENERS.

Chicago Convention Program.

Tuesday morning, Dec. 4—Registration of members; Meeting of Executive Committee.

Tuesday 2 o'clock—Address of Welcome; Response; President's Address; Secretary's and Treasurer's Reports; Report of Committees; Communications; Nomination of Officers; Lecture.

Tuesday evening—Banquet.

Wednesday, Dec. 5—Polls open for Election of Officers, 9 to 9.30 o'clock; Unfinished Business; Luncheon, Guests of Armour & Co., Stock Yards.

Wednesday afternoon—Visit to Lake Forest, Ill., Guests of North Shore Horticultural Society.

Wednesday evening—Illustrated Lecture. Thursday, Dec. 6—9 o'clock A. M. Unfinished Business; Final Resolutions; Lecture.

Thursday afternoon—Side Trips to Commercial Growing Plants in Vicinity of Chicago; Sears Roebuck Co., and Inspection of Chicago Park System.

Thursday evening—Bowling Contest.

Friday, Dec. 7—Visit to Lake Geneva, Wis. Guests of Lake Geneva Gardeners' & Foremen's Association.

The following program of lectures has been arranged to be delivered during the Convention.

Illustrated lectures by G. H. Pring, Missouri, on "The Botanic Gardens, Kew, England," and by Dr. R. J. H. DeLoach, Ill. on "Birds and the Orchards."

Papers by M. L. Davey, Ohio, on "Organized Co-operation," Theodore Wirth, Minn., on "The Gardeners' Interest, Duty and Value in the Public Service," L. J. Jensen, Missouri, on "Relation of Gardeners to Civic Work," David Burpee, Penna., on "The Future of Flower Gardening in America," Eugene H. Grugg, Colo., on an interesting agricultural subject; and by Prof. H. B. Dornier, Ill., on an interesting horticultural subject.

SHIRMAN HOUSE HEADQUARTERS

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Watch your step

We find a good many florists to be in "a state of mind" regarding the unprecedented situation which confronts them this season, such as insufficient coal supply, cost of labor and other essentials, together with the uncertainty as to safe transportation of their products, and the prospective attitude of the public towards these commodities. But while solicitude under such conditions is unavoidable and excusable, that is not necessarily an evidence of pessimism. From what we have seen and heard wherever the craft foregather, the florist trade generally is showing a most commendable buoyancy and spirit in the face of much that is abnormal and perplexing. It becomes necessary now more than ever that the florist should "watch his step" in his dealings with the public and endeavor to avoid any course which may tend to estrange the public esteem, stir up prejudice and invite antagonism. Fortunately the people have been given plenty of opportunity, of late especially, to see and understand the better side of the flower people in their free-hearted and spontaneous generosity, individually and collectively, to the Red Cross and other philanthropic institutions and it is to be hoped that these credit marks in the florists' career

will not be forgotten by the people when statistics unfortunately show a heavy loss against seed dealers' "non-essentials."

Unfair and unnecessary

It is said that "the actual free distribution of seeds by congressmen on the coming season, flower seeds will be omitted from the list, especially the more costly ones." This will hardly be interpreted as a state of heart on the part of the congressmen, but of as making for the cost of necessity. If seeds are scarce and not obtainable as formerly for this discredited practice. In this connection, we note that besides the annual appropriation of approximately \$400,000 for the free distribution by members of Congress, there has been especially appropriated by Congress \$2,500,000 for the purchase, storage and distribution of seed to farmers, which is to be sold to them "at actual cost for the purpose of encouraging intensive farming during the period of war." It is accepted as practically true that the farmers of America will have to feed the greater part of the world while the war lasts, but they will be well paid for it. They are not paupers and there is no necessity that the seedsman should be robbed of his business for their sake. Why should they not purchase their seeds just as they do their automobiles, farm machinery, fertilizers and other commodities? "Actual cost" is presumably the bare price paid by the government for the seeds in bulk and does not include the cost of handling and distributing, all of which is probably to be paid by the Government. That all this is a most flagrant injustice to the seed dealers of our country requires no elucidation.

More names

We clip from a recent number of *The Nurseryman and Florist* the following note:

"I am quite in accord with your correspondent, who advocates short lists of varieties. He was referring to roses; and the way he dealt with white ones was admirable. By the way, there has for some time been an attempt to alter the name of Frau Karl Druschki to that of Snow Queen. This is absurd. People usually change their names when they have committed a crime or do not want to be known. What has this beautiful white flower done? We should have souls above such petty things."

The statement has recently been made that a gem in the rose line, recently introduced, could not be sold, on account of its name—Friedrichsruhe—which, as is generally known, is the name of Bismarck's last resting place. It is a heavy handicap for any flower to have to seek popularity in this country, burdened with one of the harsh, repellant names often given by foreign raisers. We recall as an instance in our own country the pink sport of the popular white chrysanthemum Ivory which was launched under a very uneuphonious and disheartening name. The prediction freely made that it could never be popularized under the proposed cognomen proved true: "Pink Ivory" it was and nothing else. The nomenclature of flower varieties is certainly in a sufficiently deplorable condition—what with the almost endless list of worthless or too-much-alike sorts and the widespread juggling and renaming for the aforesaid or other reasons—without our now making another onslaught, primarily because of the animosities bred by the European conflict. Carried to a logical conclusion, the proposition to discard names having a Teutonic origin in our flower nomenclature would cause a stupendous derangement and confusion, productive of far more harm than good. We submit that there are plenty of other and more useful ways in which we may give expression to our patriotism than this.

THE EXHIBITIONS

NEW YORK.

Two big flower shows running simultaneously and both free to the public gave New York people something to think about last week other than war and politics. One was conducted by the American Institute at the Engineering Building and the other was under the auspices of the Horticultural Society of New York at the Museum of Natural History. Both were superb as to the quality of the plants and flowers shown, the chrysanthemums especially excelling any previous exhibition, both were patronized in the matter of attendance and contributions by the wealthy owners of the noted private estates on the shores of Long Island Sound and along the Hudson River, and the general public came in veritable droves, the number in attendance on Sunday afternoon at the Museum totaling 80,000.

The great sensation of the Horticultural Society's display centered in the giant bush and columnar trained chrysanthemum plants which occupied the grand foyer of the Museum building. Here were some 37 of these wonderful demonstrations of the gardeners' art, from the greenhouses of Adolph Lewisohn, J. B. Duke, Samuel Untermyer and J. R. De Lamar, about one-half of the number coming from the Lewisohn estate and again as in previous years exciting the amazement of professional and amateur alike at the genius and skill of that invincible grower, John Canning. His plants, more than fifteen feet across, were, if possible, even finer than those that caused such a furore last year. The cut chrysanthemums were the best ever shown in New York, which is "going some." Four new roses, viz. Columbia, Rosalind, Mrs. Henry Winnett and Ophelia Supreme were given an airing by their respective sponsors as recorded in the list of awards following and they got their full share of attention from the visitors. The single, pompon and anemone classes of chrysanthemums were shown more abundantly and in better form than ever before. Conservatory flowering and foliage plants were excellent and the special group by W. B. Thompson was both varied and rich and arranged with most exquisite taste. Following is the list of Horticultural Society awards:

Awards, Horticultural Society of New York.

Chrysanthemum Plants. Specimen bushes in not less than 14-inch pots. Yellow, J. R. De Lamar, Glen Cove, N. Y., gard. Robert Marshall, 1st; A. Lewisohn, Ardsley, N. Y., gard. John Canning, 2d. White, A. Lewisohn, 1st. Pink, A. Lewisohn, 1st; J. B. Duke, Somerville, N. J., gard. A. A. MacDonald, 2d. Any other color, A. Lewisohn, 1st. Anemone or single, W. B. Thompson, Yonkers, N. Y., gard. R. M. Johnston, 1st; J. B. Duke, 2d.

In not more than 14-inch pots. Yellow, J. B. De Lamar, 1st; W. B. Thompson, 2d. White, A. Lewisohn, 1st; W. B. Thompson, 2d. Pink, A. Lewisohn, 1st; W. B. Thompson, 2d. Any other color, W. B. Thompson, 1st.

Specimen standards. Not less than four

feet in diameter. J. R. De Lamar, 1st; W. B. Thompson, 2d. Not less than three feet in diameter, W. B. Thompson, 1st; G. D. Barron, Rye, N. Y., gard. James Linane, 2d. Specimen, odd shape, J. B. Duke, 1st; A. Lewisohn, 2d. In not over 14-inch pots, Samuel Untermyer, Yonkers, N. Y., gard. Chas. Hurn, 1st; G. D. Barron, 2d.

Chrysanthemum Blooms. Commercial.—Chas. H. Totty won in all classes.

Chrysanthemum Blooms. Non-Commercial.—Stems not less than two feet. Six white, Samuel Untermyer, 1st; A. Lewisohn, 2d. Six pink, Percy Chubb, Glen Cove, N. Y., gard. Robert Jones, 1st; Miss M. T. Cockcroft, Saugatuck, Ct., gard. Adam Paterson, 2d. Six yellow, A. N. Cooley, Pittsfield, Mass., gard. F. E. Nash, 1st; Samuel Untermyer, 2d. Six red, A. N. Cooley, 1st; Miss M. T. Cockcroft, 2d. Six any other color, Percy Chubb, 1st; Mrs. S. Neustadt, Chappaqua, N. Y., gard. David Gordon, 2d. Vase arranged for effect, S. Untermyer, 1st; Mrs. H. Darlington, Mamaroneck, N. Y., gard. P. W. Popp, 2d. Stems 18 inches—Twelve vases, twelve varieties, Percy Chubb, 1st; A. Lewisohn, 2d; S. Untermyer, 3d. Six vases, Percy Chubb, 1st; J. B. Duke, 2d; J. R. De Lamar, 3d.

Stems not over 15 inches. Collection 24 varieties, Mrs. S. Neustadt, 1st; Mrs. Payne Whitney, Manhasset, N. Y., gard. Geo. Ferguson, 2d.

Collection of singles, 24 varieties, A. Lewisohn, 1st; A. N. Cooley, 2d. Collection of singles, 12 varieties, Adrian Iselon, New Rochelle, N. Y., gard. Jos. Tiernan, 1st; A. Lewisohn, 2d. Pompons, 24 varieties, Frederick Sturges, Fairfield, Ct., gard. Thos. Bell, 1st. Pompons, 12 varieties, Frederick Sturges, 1st. Anemones, 12 varieties, Mrs. Payne Whitney, 1st.

Dinner table decoration, W. B. Thompson, 1st; Mrs. Payne Whitney, 2d; A. T. Bunyard, 3d.

Roses. Commercial.—All classes won by F. R. Pierson, Tarrytown, N. Y. New variety not in commerce, F. R. Pierson for Rosalind; Chas. H. Totty for Columbia; Dailledouze Bros. for Ophelia Supreme.

Roses. Non-Commercial. All classes won by J. B. Duke, S. Untermyer, A. Lewisohn and W. B. Thompson.

Carnations. Commercial.—New variety, 25 blooms, Cottage Gardens Co., Queens, N. Y.

Carnations. Non-Commercial.—All prizes won by Mrs. J. C. Brady, Gladstone, N. J., gard. J. G. Walker, and Mrs. Payne Whitney.

Foliage and Decorative Plants.—Group, 150 sq. ft., W. B. Thompson, 1st; Mrs. Morton F. Plant, Groton, Ct., gard. Ernest Robinson, 2d. Three plants Begonia, Gloire de Lorraine type, W. B. Thompson, 1st on all classes, except the Fern classes, in all of which F. R. Pierson won 1st.

Orchid Plants. Commercial.—Collection, Lager & Jurell, Summit, N. J., 1st; Julius Roehrs Co., Rutherford, N. J., 2d. Novelty not before exhibited before the society, Julius Roehrs Co., silver medal. Collection of Cypripediums, not less than 12 varieties, Lager & Jurell.

Orchids. Non-Commercial. Growers S. Untermyer, 1st in all classes.

Special Prizes. All cash gratuities except where otherwise stated.

Adolph Lewisohn, display of bush chrysanthemums; for entire display of bush plants, gold medal; Hanging basket of Begonia, Miss M. T. Cockcroft, anemone chrysanthemums, Howard Phipps, Westbury, N. Y., gard. C. J. Muller, seedling chrysanthemums, Wm. Shillaber, Essex Fells, N. J., gard. J. P. Sorenson, seedling chrysanthemum, Mrs. H. Darlington, chrysanthemums and gladioli, Herbert L. Pratt, Glen Cove, N. Y., gard. Henry Gaut, Frederick Sturges, chrysanthemums and violets, J. R. De Lamar, odd-shaped bush chrysanthemum, silver medal and cash, John Scheepers & Co., New York City, winter flowering begonias, gold medal, Peter Hauck, Jr., East Orange, N. J., gard. M. Schneider, F. R. Pierson, 50 Ophelia roses, Mrs. F. A. Constable, seedling nerines, Mrs. Oliver Hoyt, Stamford, Ct., gard. Jas. Foster, muskmelons, Mrs. Morton F. Plant, Oncidium, certificate of culture, Adrian Iselon, collection of chrysanthemums, Max Schling, "Indian Summer" exhibit, diploma.

and sweepstakes prize for her vase of Mrs. Jess.

and sweepstakes prize for the best orchid plant was awarded to Mrs. Morton F. Plant for her Oncidium.

PHILADELPHIA.

Awards at the Chrysanthemum Show of the Pennsylvania Horticultural Society were recorded as follows:

Four plants, Japanese, 1st, Mrs. J. Leslie Davis, Haverford, Pa., gard. Frank Coll; 2d, Geo. H. McFadden, Rosemont, gard. David Aiken.

Three plants pink, 1st, C. B. Newbold, Jenkintown, gard. Thos. W. Logan; 2d, H. A. Poth, Wayne, gard. M. J. Flynn.

Three plants introduced in 1917, 1st, Geo. H. McFadden.

Specimen, 1st, Mrs. J. Leslie Davis; 2d, W. S. Ellis, Bryn Mawr, gard. Alex. Lindroth.

Specimen, 1st W. S. Ellis; 2d, Geo. H. McFadden.

Two plants, 1st W. S. Ellis; 2d, Geo. H. McFadden.

Eight plants white and yellow, 1st, P. A. B. Widener Estate, Ogoutz, gard. Wm. Kleinheinz; 2d, W. S. Ellis.

Six Rose Pocket, 1st, W. S. Ellis.

Six one variety, 1st, Widener Estate; 2d, C. B. Newbold.

Six yellow, 1st, Widener Estate; 2d, C. B. Newbold.

Six any color, 1st, Mrs. Walter M. Jeffords, Glen Riddle, gard. Joseph Hurley; 2d, Widener Estate.

Two white and pink, 1st, H. A. Poth; 2d, Mrs. Walter M. Jeffords.

Specimen red, H. A. Poth.

Four plants, 1st, H. A. Poth; 2d, C. B. Newbold.

Specimen bloom, 1st, Geo. H. McFadden; 2d, J. W. Pepper.

Specimen yellow, 1st, H. A. Poth; 2d, Mrs. J. Leslie Davis.

Specimen pink, 1st, H. A. Poth; 2d, Mrs. Walter M. Jeffords.

Specimen white, 1st, H. A. Poth; 2d, Mrs. Walter M. Jeffords.

Chrysanthemum Cut Flowers.

Six blooms Mrs. Frank Thomson, 1st, Widener Estate; 2d, C. B. Newbold.

Four vases, five blooms each, 1st, H. A. Poth; 2d, Widener Estate.

Vase of twenty-five, 1st, J. W. Pepper; 2d, Widener Estate.

Fifty blooms, ten varieties, 1st, Widener Estate; 2d, John Wanamaker, Wyncote, gard. John Dodds.

12 Lynwood Hall, 1st, W. S. Ellis; 2d, Geo. H. McFadden.

Eight William Turner, 1st, J. W. Pepper; 2d, Mrs. J. Leslie Davis.

Eight Meudon, 1st, Widener Estate; 2d, J. W. Pepper.

Eight Col. D. Appleton, 1st, Mrs. John Gribel, Wyncote, gard. James Fox; 2d, W. S. Ellis.

Six any variety introduced in 1916, 1st, John W. Pepper.

Five Mrs. George W. Childs Drexel, 1st, Mrs. J. Leslie Davis; 2d, C. B. Newbold.

Six Merza, 1st, J. W. Pepper.

Six William Turner, 1st, Mrs. John Gribel; 2d, Mrs. J. Leslie Davis.

Five white, 1st, Mrs. S. D. Riddle; 2d, W. S. Ellis.

Five yellow, 1st, Mrs. S. D. Riddle; 2d, C. B. Newbold.

Five pink, 1st, H. A. Poth; 2d, J. W. Pepper.

Five any one variety, 1st, Mrs. S. D. Riddle; 2d, L. H. Dudman, Llanerch, gard. Oliver Halliday.

Twelve blooms, short stems, 1st, Mrs. S. D. Riddle; 2d, Widener Estate.

Collection pompons and singles, 1st, Mrs. Walter M. Jeffords.

Collection twenty hardy varieties, 1st, J. W. Peppers; 2d, Mrs. S. D. Riddle.

Vase of six blooms, 1st, W. S. Ellis; 2d, Widener Estate.

Miscellaneous.

Six ferns, six varieties, 1st, Geo. W. Childs Drexel.

Five ferns, 1st, W. S. Ellis; 2d, J. W. Pepper.

Twelve palms, 1st, John Wanamaker.

Specimen palm, 1st, Widener Estate.

Eight foliage plants, 1st, Geo. W. Childs Drexel; 2d, J. W. Pepper.

Foliage plant not previously exhibited, 1st, Geo. W. Childs Drexel.

Four palms, 1st, Geo. W. Childs Drexel; 2d, Widener Estate.

Group foliage and flowering plants, 1st, John Wanamaker.

Best collection, twenty or more varieties, Edgar F. Scott, Lansdowne, gard. John Dunn.
 Collection of fifteen varieties, 24 sq. ft. space, 1st, Geo. H. McEldon, 2d, Thomas McKean.
 In the vegetable separate classes, G. H. McEldon won six 1sts and six 2ds, Edgar F. Scott, six 1sts, one 2d, W. S. Ellis, five 1sts, one 2d, Thomas McKean, five 1st, one 2d, J. W. Pepper, two 1sts, five 2ds; Mrs. J. Leslie Davis, one 1st, two 2ds.

Cut Flowers.

Twelve American Beauty roses, Widener Estate.
 Twenty-five carnations pink, 1st W. S. Ellis, 2d Widener Estate.

Fruit and Vegetables.

Best collection, twenty or more varieties, Edgar F. Scott, Lansdowne, gard. John Dunn.
 Collection of fifteen varieties, 24 sq. ft. space, 1st, Geo. H. McEldon, 2d, Thomas McKean.

In the vegetable separate classes, G. H. McEldon won six 1sts and six 2ds, Edgar F. Scott, six 1sts, one 2d, W. S. Ellis, five 1sts, one 2d, Thomas McKean, five 1st, one 2d, J. W. Pepper, two 1sts, five 2ds; Mrs. J. Leslie Davis, one 1st, two 2ds.

TARRYTOWN.

The Nineteenth Annual Floral Exhibition of the Tarrytown (N. Y.) Horticultural Society opened in Music Hall on Wednesday, November 7, and continued to November 9. The exhibition was well patronized, and was well attended by the society people of Westchester County. The weather was fine. The quality of the exhibit was as fine as at any previous exhibition, and for the size of the exhibition was not excelled by any exhibition in the United States, the various exhibits coming from the greenhouses of the wealthiest residents of this section.

Notable features of the exhibition were a vase of the new rose Rosalind, exhibited by F. R. Pierson, and awarded the Society's silver medal; a very unique seedling Adiantum, exhibited by Dr. C. C. Brace, awarded same medal; roses, carnations and ferns, exhibited by Mrs. J. B. Trevor of Yonkers, awarded certificate of merit; fine exhibit of potatoes, exhibited by Finley J. Shepard, awarded cultural certificate; exhibit of single chrysanthemums, by Mrs. Alfred Gwynne Vanderbilt, Lenox, Mass., awarded cultural certificate. The cut blooms of chrysanthemums in the different classes were exceptionally fine, also the tables of decorative plants and groups of decorative plants.

The judges for the first day were William Roberts, Ossining, John Grant, Tarrytown, and James Blair, Staatsburgh; for the second day, Robert Williamson, Greenwich, Conn., George Middleton and John Featherstone, Tarrytown.

The local branch of the Red Cross served refreshments on the balcony, adding considerable to their fund.

Out of 202 classes in the schedule, 47 of which were "specials" provided by individuals and firms, all were competed for excepting 16. We should like to publish the list of winners in detail but lack of space prevents our giving more than a condensed account, as follows:

W. B. Thompson, gard. R. M. Johnston, twenty-five 1st, two 2nd; Mrs. E. S. Bayer, gard. Alex. Thomson, seven 1st, three 2nd;



Brassia Cattleya Maroon, Cattleya End, C. Fabia and C. Rhipsalis, at Clement Moot's Hackensack, N. J.

Dr. C. C. Brace, gard. Geo. McIntosh, seven 1st, one 2nd, S. Untermyer, gard. Chas. Hurn, six 1st, four 2nd; R. DeLafield, gard. Wm. Brock, five 1st, two 2nd; Finley J. Shepard, supt. Chas. R. Russell, three 1st, four 2nd; Eugene Meyer, Jr., gard. Chas. Ruthven, three 1st; R. S. Brewster, gard. Robert Main, two 1st, one 2nd; C. E. Matthieson, gard. W. J. Townsend, two 1st, one 2nd; Mrs. S. Neustadt, gard. David Gordon, two 1st, two 2nd; Mrs. Carl Victor, gard. Thos. Lee, two 1st, seven 2nd; Clarence Whitman, gard. Wm. Will, two 1st; Irving T. Bush, gard. John Sprino, two 1st, one 2nd; A. L. Gifford, two 1st, one 2nd; Mrs. D. T. Davis, gard. Abel Weeks, one 1st, two 2nd; W. H. Brown, gard. John Halgerson, one 1st, one 2nd; David L. Luke, gard. John Elliott, one 1st, two 2nd. One 1st to each of the following: Miss Marie Bowman, Frank Swenson; Col. Robert C. Clowry; Mrs. Herman Bowman; Mrs. W. H. Pullan; H. E. Rogers, gard. C. L. Fisher, H. C. Neubrand; Robert Mallory, gard. Wm. Smith; Mrs. J. B. Trevor, gard. Howard Nichols; F. R. Pierson Co.; Chas. Mallory, gard. W. J. Sealey; Michael Graham, Stuyvesant Fish, four 2nd. E. Berolzheimer, gard. Wm. Jamieson, three 2nd, Mrs. P. Boettger, gard. H. Schwartz, two 2nd. One 2nd each to Julius F. Detmer, gard. Geo. H. Chisholm; H. M. Sidenberg, gard. John Malr; S. M. Lehman, gard. John W. Dowlen; Dr. L. H. Buckland, gard. Jas. Caselli; John Cooke, Jr.; Mrs. W. D. Blair.

GARDENERS' COOPERATIVE MEETING.

A meeting of the Cooperative Committee of the National Association of Gardeners, and of delegates appointed by sixteen gardeners' societies, was held at the Murray Hill Hotel, New York, Friday afternoon, November 9.

The meeting was called for the purpose of securing an expression of views on the subject of closer co-operation between the Gardeners' National Association and their local organizations and to consider what would be the best plans to set the proposed co-operation in effective operation. An animated discussion, lasting several hours, produced many practical suggestions. The policies of some of the European national horticultural organizations were outlined by those present familiar with them, but it was generally agreed that the gardeners' conditions abroad are so diversified from those existing in this country that the European policies could not be pursued with any measure of success here.

The discussion established the fact that the ultimate outcome of cooperation should result in the local societies

electing delegates each year to represent them at the annual convention. It was proposed that territorial districts should be arranged in which the committees of local societies would meet every three months to act on matters referred to them by the National Cooperative Committee; that the local committees keep in close touch with the activities of the societies they represent and make recommendations to be submitted to the annual convention, if of national interest, or, if of purely local interest, to the local committees of the territories it might concern; that care should be exercised by the local societies in appointing only such members on these committees as can be relied upon to faithfully perform their functions.

Communications were received from a number of distant societies, unable to send delegates, announcing their readiness to participate in co-operation. Richard Vincent, Jr., of White-marsh, Md., read an interesting paper on "Cooperation." John F. Huss, of Hartford, Conn., pleaded for greater activity on the part of individual members of the national association, stating that it has been his experience in many years of organization work that when the burden is placed on the shoulders of a few in an organization, success ceases. N. Harold Cottam, of Wappinger Falls, N. Y., urged that only through unity can cooperation be made effective and not by criticising the endeavors of others while making no effort oneself, and that one should not always selfishly consider what he is getting out of it, but should occasionally ask himself, What am I doing to further my association's interests?

A motion was carried, proposing that the National Cooperative Committee, which is composed of Thomas W. Head, Lake Forest, Ill., Theodore Wirth, Minneapolis, Minn., James Stuart, Mamaroneck, N. Y., M. C. Ebel, Madison, N. J., formulate some definite plans to be submitted at the annual convention of the association, which will be held in Chicago, December 4, 5, 6. It was decided to secure a special car for the eastern delegates, to leave New York on Sunday afternoon, December 2, arriving at Chicago early on Monday evening. Reservations can be made through the secretary, M. C. Ebel, Madison, N. J., and should be secured without delay.

CLUBS AND SOCIETIES

AMERICAN ROSE SOCIETY

The fall meeting of the American Rose Society was held in Gray's Armory, Cleveland, Ohio, on November 9, 1917. Twenty-four members were present.

President Hammond voiced a cordial welcome and spoke enthusiastically of the success of the work of the Society during the past year. He reported the total paid memberships to date as 1922.

The Secretary read the changes in the constitution and by-laws of the American Rose Society which were proposed at the annual meeting in Philadelphia on March 21, 1917. At that time the Secretary was instructed to send out a post card vote to the life and active members in accordance with article 6 of the constitution. He reported that 186 votes had been received out of a total of 276 voting members, all of which, with the exception of four, were favorable to the following changes:

Article III, Section 2, to be altered to read as follows: "Voting. All members of this Society, except honorary members, shall be entitled to one vote on all questions."

Article IV, of the By-laws to be altered to read as follows: "There shall be three classes of members, known as life, honorary, and annual members."

"Section 1. The payment of fifty dollars (\$50) shall entitle to life membership."

"Section 2. The dues for annual members shall be two dollars (\$2) each year."

Section 3, which reads, "The annual dues for associate members shall be \$1" is hereby repealed.

Section IV, relating to the payment of dues, shall hereafter be known as Section III, without change.

Section V, relating to the distinction between associate and active members, is hereby repealed.

Upon motion of J. Horace McFarland the Secretary was instructed to cast the proxy votes which provided for the changes in the constitution.

C. H. Totty and John Young of the National Flower Show Committee reported progress on the arrangements for housing the National Flower Show in St. Louis, April 6 to 15, 1918. Both were very optimistic over the prospects for a successful show with the participation of the American Rose Society and the American Carnation Society.

E. A. WHITE, Secy.

NEW YORK FLORISTS' CLUB.

The New York Florists' Club held a splendid meeting last Monday night, 160 members present. Co-operative Publicity proved a prolific subject for general enthusiasm and stirring appeals from a number of eloquent gentlemen, including Samuel Seligman, Max Schling, and W. R. Pierson, which resulted in many contributions to the fund in sums ranging from \$10 to \$250 each. Arthur Herrington's illustrated lecture on Lilies was very fine and thoroughly enjoyed. A resolution offered by W. H. Siebrecht, Jr., asking Mayor-elect Hyman to appoint horticulturists to positions on the Park Board was unanimously carried. Philip F. Kessler reported that he expected as many as 200 present at Ladies' Night, Satur-

Meetings Next Week

Monday, Nov. 19.

Detroit Florists' Club, Bemb Floral Hall, Detroit, Mich.

Houston Florists' Club, Chamber of Commerce Rooms, Houston, Tex.

New Jersey Floricultural Society, Orange, N. J.

Tuesday, Nov. 20.

Gardeners' and Florists' Club of Boston, Horticultural Hall, Boston, Mass.

Gardeners' and Florists' Club of Ontario, St. George's Hall, Toronto, Can.

Minnesota State Florists' Association, Minneapolis, Minn.

Pennsylvania Horticultural Society, Horticultural Hall, Philadelphia, Pa.

Wednesday, Nov. 21.

Rhode Island Horticultural Society, Public Library, Providence, R. I.

Tarrytown Horticultural Society, Tarrytown, N. Y.

Friday, Nov. 23.

Connecticut Horticultural Society, County Bldg., Hartford, Conn.

Monmouth County Horticultural Society, Red Bank, N. J.

Pasadena Horticultural Society, Pasadena, Calif.

People's Park Cottage Gardeners' Association, Paterson, N. J.

Saturday, Nov. 24.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.

day, Nov. 17. Resolutions on recent deaths in the families of members were adopted. Nominations for officers for 1918 were as follows: President, G. E. M. Stumpp (declined), F. R. Pierson, Charles Schenck, J. H. Fiessler; vice-president, P. W. Popp, Charles W. Knight, A. Lee Don; secretary, John Young, J. Harrison Dick (declined); treasurer, W. C. Rickards, Jr., T. B. de Forest; trustees, James Stuart, Peter Duff, W. P. Ford, Alex. H. Donaldson, John Scheepers, W. H. Long.

Displays on the exhibition tables were as follows: Cromwell Gardens, new rose Mrs. Henry Winnett (90 points), also Mrs. Chas. Russell, Mrs. Shawyer and a collection of single pompon and anemone chrysanthemums (highly commended); Howard Nichols, chrysanthemum Glenview (87 points); Dailedouze Bros., rose Ophelia Supreme (90 points, prelim. certificate); C. H. Totty, collection of chrysanthemums (highly commended), including J. P. Schlottman, Helen Marie Totty, Mildred Presby and Lily Melville.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Reports of Committee.

Exhibited by Elmer D. Smith & Co., Adrian, Mich., at Chicago, Nov. 3: var. Midnight Sun; color, yellow; Inc.; com. points, 88; var. 62-11-13; color, white; Inc.; com. points, 93. At Cincinnati, Nov. 3: var. Midnight Sun; color, deep yellow; Inc.; com. points, 87; var. 62-11-13; color, white; Inc.; com. points, 90. Exhibited by E. W. Fengar, Irvington, N. J., at New York, Nov. 3: var. Bronze Buckingham; color, terra cotta; sport of Mrs. Buckingham; single; com. points, 86.

CHAS. W. JOHNSON, Secy.

CLUB AND SOCIETY NOTES.

The Reading (Pa.) Florists' Club met on November 1 at the office of Charles Downing and discussed matters of local interest.

The florists of North Carolina have organized under the name of the State Florists' Association of North Carolina, with the following officers: President, Geo. Starr, Wilson; secretary and treasurer, A. J. Sykes, Van Lindley Company, Greensboro.

Binghamton, N. Y., is well warmed up to the project for a flower show, the first attempt in that line for Binghamton, to be held this week by The Binghamton Florists' Association under the leadership of its president, William Schmeiske and his associates. As with most of the floral exhibitions this season the proceeds will be devoted to charitable use, the Crippled Children's fund being the beneficiary in this instance.

The first autumn exhibition of the Stamford (Conn.) Horticultural Society held on Nov. 2 and 3 was a gratifying success and very creditable to the young society and the officials. George B. Cannon made an efficient manager and the gardeners employed on the many private estates in this section acquitted themselves most creditably on the exhibition tables. The proceeds were donated to the Stamford Chapter of the Red Cross.

At the Worcester County Florists' Club's second meeting in the library of Horticultural Hall, A. H. Lange presided, and 24 members were enrolled. The florists discussed the shortage of coal and other supplies needed for growing and selling flowers. It was decided that as a club or unit, these supplies may be secured with less trouble than if bought by individuals. A publicity committee was appointed, consisting of Harry I. Randall, Michael and William Quarrey and William L. Luby.

Among the leading exhibitors at the annual chrysanthemum show in Worcester, Mass., last week, were H. F. A. Lange, E. W. Breed, Harry I. Randall, A. N. Pierson, S. J. Goddard, Wm. R. Nicholson, Geo. W. Knowlton, A. H. Knight, Lucy M. Coulson and L. C. Midgley. Among the exhibits were some attractive dining table decorations. A silver medal was given to John H. Dunlop, Toronto, for the new rose Mrs. Henry Winnett, staged by A. N. Pierson; silver medal to S. J. Goddard for carnation Laddie.

At the recent meeting of the American Pomological Society in Boston, the following named officers were elected: Dr. L. H. Bailey, Ithaca, N. Y., president; Prof. W. T. Macaw, Ottawa, Can., vice-president; E. R. Lake, Washington, D. C., secretary; L. R. Taft, East Lansing, Mich., treasurer; Prof. F. C. Sears, Massachusetts, Dr. S. A. Fletcher, Pennsylvania, Prof. W. N. Hutt, North Carolina, Frederick Cranefield, Wisconsin, and Horace Roberts, New Jersey, executive committee.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, F. W. Boigiano, Washington, D. C.; First Vice-President, Wm. C. Scarlett, Baltimore, Md.; Second Vice-President, David Burpee, Philadelphia, Pa.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.

Varying Bulb Receipts.

It was very gratifying after the long uncertainty regarding the supply of Dutch bulbs to find the goods so satisfactory in quality generally. There appears to be much irregularity, however, as between the quantities of certain varieties ordered and quantities received by various importers. This is accounted for by the information from Holland that, owing to the existing derangement of business, each exporter undertook to ship only his own product, omitting as a rule those articles which he would have to buy from other growers. It is well-known that even the largest Holland firms never grow more than about 50 per cent. of the varieties of bulbs which they export. A receiver whose order has been filled complete on one item and not at all on another will likely find that the receipts by another importer who deals with a different house are reversed more or less as to varieties supplied, in which case a sort of clearing house exchange on varieties received might be arranged to mutual advantage by local dealers. In fact, more or less exchanging of such stock has been going on between friendly dealers.

Notes.

Memphis, Tenn.—The Russell-Heckle Seed Company opened a seed store in this city Nov. 1st.

Rockford, Ill.—Swan Peterson has purchased the retail seed store of Condon Bros., 417 W. State St.

San Francisco, Cal.—The United Seed Company have started a seed store at 161-163 Jackson St.

Announcement is made of the change of the firm name of J. F. Noll & Co. to Alexander Forbes & Co., Newark, N. J.

The export of lily bulbs from Bermuda to the United States for the year 1916 amounted in value to \$5,669 as against \$4,163 in 1915. An even greater proportion of increase is noted in the value of the exports of vegetables to this country, particularly beets and onions and potatoes.

Sluis & Groot of Enkhuisen, Holland, report that generally speaking prospects are unfavorable and many seeds will be scarce and that it will be safe not to entertain too high expectations. Cauliflower—Heavily attacked by disease and a small crop expected. Cabbages—Crops will be very small. Turnips and Beets—Except a few varieties all frozen to death. Swedes and Kohlrabi—Nearly all lost. Mangels and Sugar Beets—Many plants suffered from frosts. Some varieties perished totally. Radish—Stand good

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in general. Winter Radish—Nearly total failure. Onion—Dutch flat yellow and Strasburg planted out rather much. Of Dutch blood red proportionally less. The stand is middling. Other sorts mostly failures. Parsley—Much perished. Of the rest only average crop. Chervil—Almost all lost. Spinach—Yield and quality below the average. Cucumber—A rather good crop. Peas—Crops on an average scarcely middling. Dwarf Beans and Running Beans—Good crop expected. Broad Beans—A small crop. Scorzoneria—But little harvested. Cornsalad—Almost nothing. Celery—Little planted. Flower Seeds—Annuals, very few, especially of Nasturtiums, Pansies, Centaureas, and others, as Gilia, Godetia, none. Myosotis, Dianthus barbatus, Wallflower, Primula, etc., crop very small.

NEWS NOTES.

Clayton, Mo.—W. W. Ohlweiler, manager of the Missouri Botanical Garden, has resigned, and has purchased the A. K. Alexander greenhouses, where he will grow cut flowers and plants for the wholesale market.

Baltimore, Md.—At the October meeting of the Baltimore Wholesale Florist & Supply Company, Harry Glick was elected manager, to take the place of his brother, Louis B. Glick, who is now employed by the Neissen Company.

Albany, N. Y.—The annual exhibition of chrysanthemums by the park department is open in Washington Park Lake House and will continue for two weeks daily from 10 in the morning until 10 at night. The collection this year consists of 360 varieties, 700 plants and 31 new varieties.

CATALOGUES RECEIVED.

North Eastern Forestry Company, Cheshire, Conn. 1918 Catalogue of Young Evergreen Trees.

Harrison's Nurseries, Berlin, Md.—Illustrated Catalogue of Fruit and Ornamental Trees and Shrubbery. Covers in rich colors.

Obituary

Peter Reis.

Peter Reis, engaged in the florist business in West Hoboken, N. J., since the year 1870 when he came to this country from Germany, died on Thursday, November 1, aged 74 years. He leaves two sons and one daughter.

Elijah Ashworth.

We learn with deep regret of the death, on Oct. 18th, of Mr. Elijah Ashworth, Harefield Hall, Wilmslow. An engineer and machine-maker by profession, Mr. Ashworth was an old and enthusiastic Orchidist, and for many years his collection has been one of the most complete in the Manchester district. Some eight or nine houses were devoted to Orchids, each section being well represented and the plants thoroughly well grown. Mr. Ashworth was chairman of the Manchester and North of England Orchid Society from 1906 to 1911, and he has been a member of the Orchid Committee of the Royal Horticultural Society for the past sixteen years. He has also been an occasional exhibitor in London, and more frequently some years ago in Manchester. Among the more notable plants of his collection for which he gained awards were *Cattleya labiata* Mrs. E. Ashworth, *C. Schroderae* Harefield Hall variety, *C. Trianae* Ernest Ashworth, *Dendrobium Ashworthiae*, *D. nobile* Ashworthianum, and *Trevoria chloris*.

Gardeners' Chronicle.

The florists of La Crosse, Wis., have started a club to further fraternal feeling and friendly relations among the florists and allied trades. C. E. Schaefer, of the La Crosse Floral Co., has been named president, and L. E. Metcalf, of The Flower Shop, secretary and treasurer.

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Omaha, Neb.—Louis M. Rogers, 319 South 16th St.

Rockford, Ill.—Miss Mabel Johnson, Midway Floral Shop.

Jersey City Heights, N. J.—Angelo R. Dentale, 350 Central Ave.

Pittsburgh, Pa.—Arcadia Flower Shop, Jenkins Arcade, succeeding Crissman Flower Shop.

PERSONAL.

R. Rolston, formerly with Fleeschman's, Chicago, is now with the Gasser Company, Cleveland.

Mr. and Mrs. Richard Vincent, Jr., will celebrate their golden wedding anniversary on December 26, 1917. Fifty years of happy wedded life is a blessing which comparatively few are permitted to enjoy. We congratulate this happy couple on the slight impress which they bear of the passage of the years.

VISITORS' REGISTER.

New York—Robert Cameron, Cambridge, Mass.

Pittsburgh—Samuel S. Pennock, Phila.; Julius Dilloff, repr. Schloss Bros., New York.

Cincinnati—G. E. Mickley, Wauchula, Fla., formerly with the Hill Co. in this city; Milton Alexander, New York.

Rochester, N. Y.—H. Strompf, Novelty Art Flower Co., New York; E. S. Kennon, Climax Mfg. Co., of Casterland, N. Y.; S. S. Skidelsky, Philadelphia; Ove Gnat, Hammond, Ind.

Philadelphia—C. B. Coe, D. M. Perry & Co., Detroit, Mich.; Antoine Leuthy, Roslindale, Mass.; A. L. Don, Weeber & Don, N. Y. City; Ben Delaney, of J. Chas. McCullough Co., Cincinnati, O.



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NATIONAL CAMPAIGN FOR PUBLICITY FOR FLOWERS.

The Publicity Finance Committee held a meeting at the Hotel Statler, Cleveland, Ohio, Saturday, Nov. 10th, when a detailed plan was decided upon in order that the fund desired for the National Campaign would be completed at once. The details of this plan will be forthcoming shortly. It was decided that the minimum amount of subscriptions would be \$5. It was also decided that subscriptions should be requested to cover a period of four years. The suggested schedule for subscriptions as presented by Chairman Asmus and prepared by the Chicago Committee was approved. This suggested schedule will be sent to the chairmen of all committees immediately.

The following additional subscriptions have been received:

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By D. C. Horgan, Macon, Ga.

A. C. Oelschig & Son, Savannah, Ga. 10.00

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Am. Beauty, Special	25.00	to 30.00	40.00	to 50.00	15.00	to 25.00
" " Fancy and Extra	6.00	to 20.00	20.00	to 30.00	10.00	to 15.00
" " No. 1 and culls	1.00	to 6.00	5.00	to 10.00	2.00	to 8.00
Russell, Euler, Mock	1.00	to 6.00				to 12.00
Hadley	1.00	to 6.00	10.00	to 12.00	2.00	to 10.00
Arenberg, Hoosier Beauty	1.00	to 6.00			1.00	to 6.00
Ward	1.00	to 6.00	3.00	to 6.00	1.00	to 4.00
Killarney, Radiance, Taft	1.00	to 6.00	3.00	to 6.00	1.00	to 3.00
Ophelia, Sunburst, Hillingdon	1.00	to 6.00	3.00	to 10.00	2.00	to 10.00
Carnations	1.00	to 2.50	2.00	to 4.00	1.00	to 3.00
Cattleyas	40.00	to 50.00		to 75.00	25.00	to 50.00
Dendrobium formosum		to 50.00				
Lilies, Longiflorum	6.00	to 8.00		to 12.50	6.00	to 10.00
Lilies, Speciosum	6.00	to 8.00				to 10.00
Lily of the Valley	6.00	to 8.00	6.00	to 8.00	4.00	to 8.00
Snapdragon	2.00	to 4.00			3.00	to 8.00
Bouvardia	1.00	to 6.00			1.00	to 4.00
Violets	.35	to .50	.25	to .50	.25	to .50
Chrysanthemums	4.00	to 8.00	8.00	to 20.00	3.00	to 20.00
Sweet Peas	.50	to 1.00	.50	to 1.00	2.00	to 3.00
Marguerites	1.00	to 3.00			1.00	to 1.50
Gardenias	25.00	to 35.00			20.00	to 25.00
Adiantum	1.00	to 1.25		to 1.00	.50	to .75
Smilax	8.00	to 12.00		to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	35.00	to 50.00	25.00	to 35.00	25.00	to 40.00

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Wholesale Florists

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HENRY M. ROBINSON CO. OF NEW YORK

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184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

Flower Market Reports

BOSTON The flower business is practically marking time this week. The incoming tide of chrysanthemums, roses and carnations which has been rolling in for the first half of November has apparently reached its full height and with the possible exception of the carnations will now begin to recede and it is probable that by next week we may be able to report a greatly improved state of affairs—perhaps no great advance in prices or demand but a shortened supply and better cleanup.

The warm days of Indian Summer were ideal for social events and society people were not slow to take advantage of them during the past week. The meeting of the State Federation of Women's Clubs also brought out some purchasers from the thousands of delegates and helped to dispose of some of the fine stock now coming into Chicago. Shipping trade also is picking up a little. American Beauties are at their best and no purchaser, however fastidious, could ask for better stock. The cuts of Mrs. Russell are also of the finest grade and fine stock is offered at moderate prices. Some good carnations are meeting rather a light demand. In general, good stock of all seasonable roses, carnations and chrysanthemums are offered at moderate prices, and miscellaneous flowers are to be had for variety.

CINCINNATI Business is quiet. The call is weak and and is far from steady. While the supply seems large still it is no more than normal and, if there was any substantial demand, should clean up readily. Flowers for funeral work are about the only blooms that are in demand in the market. Excellent quality is to be had in all market staples. All Christmas supplies and a substantial amount of boxwood for the early winter business are now on hand in the wholesale market.

CLEVELAND Contrary to expectations the market was fairly well cleaned up by last Saturday night, probably due to the effect of the Flower Show on the mind of the buying public. The market altogether, however, is rather quiet. Roses are plentiful; demand for them is dragging a little and prices show a downward tendency. Chrysanthemums are still abundant but the supply has begun to fall off slightly. Pompon chrysanthemums are much in demand and are bringing good prices; dealers could use a good many more than they are getting. The serious stringency caused by the early and heavy frost is rapidly wearing off and the dealers look forward to a normal winter for indoor stock.

The worst of the fall avalanche appears to have been reached and a better condition is about due in



SWEET PEAS

Wonderful quality, never had better at any season of the year. Pinks, Whites, Lavender and Cerise, good long stems, \$1.50, \$2.00, \$3.00 per 100.

POMPONS

in all varieties, any color, any quantity, \$2.00, \$2.50, \$3.00 per doz. bunches.

New crop Bronze Galax ready.
\$7.50 per case.

Office Hours
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Everything in FLOWERS, PLANTS,
RIBBONS and SUPPLIES

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PHILADELPHIA
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BALTIMORE
Franklin & St. Paul Sts.

WASHINGTON, 1216 H. St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Nov. 12		CHICAGO Nov. 12		BUFFALO Nov. 12		PITTSBURGH Oct. 29	
Roses								
Am. Beauty, Special.....	25.00	to 30.00	20.00	to 25.00	25.00	to 30.00	.....	to 25.00
" " Fancy and Extra.....	15.00	to 20.00	15.00	to 20.00	20.00	to 25.00	15.00	to 20.00
" " No. 1 and culls.....	6.00	to 12.00	6.00	to 10.00	3.00	to 5.00	6.00	to 12.00
Russell, Euler, Mock.....	5.00	to 15.00	3.00	to 20.00	3.00	to 12.00	6.00	to 15.00
Hadley.....	.....	.....	.....	.....	3.00	to 10.00	.....	.....
Arenberg, Hoosier Beauty.....	4.00	to 10.00	3.00	to 10.00	5.00	to 10.00	.....	.....
Ward.....	4.00	to 8.00	2.00	to 8.00	3.00	to 5.00	4.00	to 10.00
Killarney, Radiance, Taft.....	3.00	to 8.00	2.00	to 8.00	2.00	to 8.00	4.00	to 10.00
Ophelia, Sunburst, Hillingdon.....	4.00	to 12.00	2.00	to 8.00	3.00	to 8.00	4.00	to 10.00
Carnations	2.00	to 3.00	2.00	to 4.00	1.00	to 3.00	3.00	to 4.00
Cattleyas.....	.....	to 75.00	50.00	to 60.00	60.00	to 75.00	60.00	to 75.00
Dendrobium formosum.....	.....	.....	.....	.....	.....	.....	.....	.....
Lilies, Longiflorum.....	10.00	to 12.50	8.00	to 12.00	8.00	to 12.00	.....	to 12.00
Lilies, Speciosum.....	.....	.....	.....	.....	4.00	to 6.00	.....	.....
Lily of the Valley.....	.....	to 7.00	4.00	to 6.00	6.00	to 8.00	.....	.....
Snapdragon.....	4.00	to 6.00	.....	.....	3.00	to 5.00	2.00	to 4.00
Bouvardia.....	.....	.....	.....	.....	.....	.....	.....	.....
Violets.....	.50	to .75	.50	to .75	.60	to .75	.50	to .75
Chrysanthemums.....	6.00	to 25.00	5.00	to 25.00	6.00	to 25.00	6.00	to 35.00
Sweet Peas.....	.....	to 1.00	.....	.....	.....	.....	.....	.....
Marguerites.....	.....	.....	.....	.....	1.00	to 1.50	.50	to 1.00
Gardenias.....	.....	.....	.....	.....	.....	.....	.....	.....
Adiantum.....	.....	to 1.00	.....	to 1.00	1.00	to 1.25	.75	to 1.25
Smilax.....	.....	to 15.00	15.00	to 20.00	15.00	to 20.00	15.00	to 20.00
Asparagus Plu. & Spreng. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	35.00	to 50.00

the wholesale market. The retailers have had a very slow and conservative trade thus far but, at least, they have been enabled to fill their show windows with glorious blooms at prices lower than ever before. The chrysanthemums are still fine and plenty of them but the arrival of Major Bonnaillon and other late blooming kinds and the draggy petals of many of the mid-season sorts forewarns of the approaching end of the chrysanthemum season and it is hoped and mildly expected that then the situation will materially improve. All stock is of very high quality. Cattleyas, violets, lilies, roses, carnations

are all to be had in superior form and it is much to be regretted that they move so sluggishly as they have for the past three weeks.

Last Saturday saw **PITTSBURGH** a big run on yellow chrysanthemums and red roses, owing to the big "Pitt" and "W. and J." football game. Some retailers were completely cleaned out, while again the day saw competitors keenly disappointed over scarcely touched stock. On the whole, the wholesalers report a nicely adjusted daily clean-up of chrysanthemums. The supply continues fairly good, both

(Continued on page 535)

H. BAYERSDORFER & CO. Manufacturers and Importers

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Fall Novelties Now On Display

New Show Rooms Added

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

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Wholesale Commission Florist
Choice Cut Flowers

New Address, 143 West 14th St., NEW YORK
Telephones: 2166, 2161, Madison Square.

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Telephone 3445 Farragut
Considered the Best Establishment
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Phone Farragut 4336

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55 and 57 West 26th Street

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WHOLESALE FLORIST

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Per doz. bunches, \$3.00; per case,
125 bunches of one color, \$28.00.
JAPANESE FIBRE ROPING Per
ball, \$70; per case, \$60.00.
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WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

8 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone 2870 Farragut.

Established 1896

Tel. 551 Farragut

GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New
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**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
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A full line of Choice Cut Flower Stock for all purposes.

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ALBANY CUT FLOWER EXCHANGE

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SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

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Centrally Located, The Hub of the Flower Market Section

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ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the

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PAUL MECONI—Wholesale Florist—NEW YORK

Telephone Nos. 3864 and 8364 Madison Square

57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER MOON, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists

Phones: Farragut 558, 2036 and 2037

111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Nov. 10 1917		First Half of Week beginning Nov. 12 1917	
American Beauty, Special	15.00	to 20.00	15.00	to 20.00
" " Fancy and Extra	10.00	to 12.00	10.00	to 12.00
" " No. 1 and culls.	1.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock	1.00	to 10.00	1.00	to 10.00
Hadley	1.00	to 12.00	1.00	to 12.00
Arenberg, Hoosier Beauty	1.00	to 4.00	1.00	to 4.00
Ward	.50	to 4.00	.50	to 4.00
Killarney, Radiance, Taft	.50	to 4.00	.50	to 4.00
Ophelia, Sunburst, Hillingdon	1.00	to 8.00	1.00	to 6.00
Key	1.00	to 10.00	1.00	to 10.00
Carnations	1.00	to 2.00	1.00	to 2.00

**GROWERS' CUT FLOWER COMPANY
WHOLESALE FLORISTS**

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Tel. 6237 Farragut
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E. J. VAN REYPER, Mgr.

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LILIES EVERY DAY

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Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

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CHARLES E. MEEHAN

Wholesale Cut Flowers
Plants, Greens, etc.

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ORCHIDS

Out Flowers of All the Leading Varieties
in their Season.

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ROUND BROOK, N. J.

REED & KELLER

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Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

RIEDEL & MEYER, Inc.

Wholesale Commission

READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

Flower Market Reports

(Continued from page 533.)

as to quantity and quality. There is a notably good demand for pompons. American beauty roses are moving fairly well, while short-stemmed roses are less plentiful but also in less demand. Lilies are holding their own, but orchids are hanging fire. Asparagus plumosa is a little on the short side. The wholesale firms are all more than rushed in their supply departments.

No particular improvement has yet taken place in the market and prices remain unchanged. Mid-season chrysanthemums are arriving in good quality. Bonnaillon is probably the best seller on the market. Artemisias are not overplentiful. Roses are in excellent supply, but do not move over fast and prices are somewhat lower. Violets are selling fairly well. Carnations are in heavier supply but none too plentiful. A few good lilies are in the market.

Flowers of all kinds
ST. LOUIS are in good demand with prices reasonable. Some fine fancy chrysanthemums are now arriving. Roses and carnations are excellent. Violets and sweet peas are now getting more call. Pompons and other chrysanthemum plants are selling well.

Report of the meetings of the Westchester and Fairfield Horticultural Society, Holyoke and Northampton Florists' and Gardeners' Club, secretary's report of the Chrysanthemum Society of America and R. A. Vincent's interesting paper on "Co-operation" have been crowded out of our columns this week but will appear in next week's issue.

BOXWOOD SPRAYS

DWARF AND TREE VARIETIES

EXTRA FINE QUALITY VIRGINIA STOCK

50 LBS. FOR \$7.50

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116-118 Seventh Street - - - - - PITTSBURGH, PA.

IF you want anything from Boston get it from Henry M. Robinson & Co.

We are on the job at all hours of the day, from 6 A. M. to 7 P. M.

We carry the largest line of Supplies in New England and also the best flowers from over one hundred of the leading growers in New England. You can always Depend for SERVICE, PRICE AND QUALITY.

For Safety Place Your Orders With Us

HENRY M. ROBINSON & CO.

2 Winthrop Square and 32 Otis Street, BOSTON, MASS.

J. K. ALLEN

SERVING THE TRADE AS WHOLESALE COMMISSION FLORIST FOR OVER THIRTY YEARS.

I have room now for a few more regular shippers of good flowers. I have a steady market for all varieties. Make a start now for the coming season.

118 West 28th St.

NEW YORK

TELEPHONES
Farragut 167 and 3058

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Nov. 10 1917		First Half of Week beginning Nov. 12 1917	
Cattleyas.....	15.00	to 35.00	15.00	to 35.00
Dendrobium formosum.....	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum.....	4.00	to 6.00	4.00	to 8.00
Lilies, Speciosum.....	2.00	to 2.00	2.00	to 2.00
Lily of the Valley.....	3.00	to 8.00	3.00	to 8.00
Snapdragon.....	1.00	to 4.00	1.00	to 5.00
Bouvardia.....	1.00	to 3.00	1.00	to 3.00
Violets.....	.25	to .40	.25	to .40
Chrysanthemums.....	2.00	to 20.00	2.00	to 30.00
Sweet Peas.....	.....	to .....	.....	to
Marguerites.....	1.00	to 2.00	1.00	to 2.00
Gardenias.....	20.00	to 30.00	20.00	to 30.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, & Spreng (100 bunches).....	15.00	to 25.00	15.00	to 25.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

Address Your Shipments to

UNITED CUT FLOWER CO. Inc.

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D. J. Pappas, Pres.

CONVENTION VISITORS WELCOME

J. J. COAN, Inc.

HIGH CLASS FLOWERS.

ALL THE STANDARD STOCK.

THE PRODUCT OF THE LEADING GROWERS.

NOVELTIES AND UNUSUAL VARIETIES A SPECIALTY.

Consignors of Good Stock for the New York Market Please Call or Write

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EVERYTHING FOR THE FLORIST

FLOWER GROWERS

I have a good wholesale market for Pansies, Violets, Carnations and all other stock of quality.

Regular Shipments Solicited

B. S. SLINN, Jr.

5 and 57 W. 26th Street, NEW YORK

LOCAL AND GENERAL NEWS

BOSTON

U. L. Carbone has returned from a ten months visit to Italy.

Samuel Ratby was arrested on Monday, Nov. 12, on the charge of larceny of \$5,000 from J. Walter Howard, who conducts a florist shop at 323 Broad way, Somerville and for whom Ratby has been employed as a confidential bookkeeper and clerk for some time. Ratby was released on \$10,000 bail.

At the meeting of the Gardeners and Florists' Club on Tuesday evening, November 20, a discussion on trade publicity will be had. Talks will be given by A. E. Robinson of Lexington, on propagating evergreens from cuttings, John Kirkegaard of Bedford on propagating deciduous trees and shrubs and W. H. Judd on evergreens from seeds.

Montgomery Bros. are sending to the Boston Rose Company a good cut of the new seedling rose Boston. While the flower of this rose is almost identical with Mrs. Russell in color and form yet it is in quite a different class, bearing broader foliage and blooming more freely and uniformly, giving promise of finding a place in the medium priced "bread and butter" class. Moreover it is sweeter in perfume than the Russell.

As the result of the adoption of the anti-aid amendment to the State constitution at the recent State election, the State Board of Agriculture will have to be reorganized by the next Legislature. The adoption of the amendment has by indirection lopped 30 of the 41 members who represent agricultural societies off the Board of Agriculture. The suggestion has been made that this board be reorganized and the department placed under a commissioner of agriculture. Thirty agricultural societies which were receiving an annual bounty of \$1000 each will lose this State aid under the amendment.

The 17th annual meeting of the Mutual Benefit Association of the employees of Joseph Breck & Sons Corporation was held Wednesday night, Nov. 14. The welfare committee announced sending 12 Christmas boxes to members now in France, and also having purchased a \$5,000 Liberty Bond of the second issue. The treasurer reported a balance in the treasury of \$2,516. The following officers were elected for the ensuing year: President, Alexander J. M. Joiner; vice-president, Frank S. Ferreira; treasurer, Henry L. Haynes; secretary, Miss Harriette L. Riley; executive committee, Mrs. A. Coombs, Miss M. C. Cushing, Albert E. Werner, Selden L. Hatch, William F. Wilson.

Harvard has received a gift of \$50,000 from Mrs. S. Parkman Blake, the income to be used "for the care of the yard or other grounds of the University." The gift is a memorial to her husband, S. Parkman Blake, of

the class of 1855 and to her son Robert Parkman Blake, class of 1894. This new gift will create the only endowment at Harvard for the care of the grounds. During the past few years, under the direction of Professor R. T. Fisher, much has been done to restore the shade trees in the yard, and with shrubs and vines to beautify the college surroundings. Mrs. Blake's permanent fund will make it possible to continue this work and to supply the University buildings with an attractive setting.

As chairman of the committee for the State of Massachusetts in the S. A. F. Cooperative Publicity Campaign, Henry Penn called together a few local representatives of the various florist interests at the City Club on Tuesday evening, November 13. There were present Henry Penn, Patrick Welch, Jas. Methven, president of the Gardeners' and Florists' Club, William Sim, Henry R. Comley, Fred E. Palmer, Wm. H. Elliott, Herman Bartsch, W. N. Craig, Robt. Cameron, Wm. J. Stewart and Major O'Keefe, past president of the Pilgrim Publicity Association and renowned local advertising expert. The meeting was in the nature of a preliminary conference as to methods to be pursued to set the campaign in motion in an effective and systematic manner and a very interesting exchange of views was had until a late hour, Major O'Keefe contributing much sound advice and suggestion from his store of knowledge and long experience. The keynote of the discussion was how to develop new business in an unselfish and impersonal way and to hold the good will of the public for the florist interests by united effort and cooperation especially in these times when so many attempts are likely to be made to put the business on the defensive. Practical work on the subscription project will be vigorously pushed as soon as possible.

PITTSBURGH.

William M. Turner of Wilkinsburg has returned from his annual ten days' hunting trip in Cameron County.

Miss Catherine Friel has resigned as manager of the Jenkins Arcade Flower Shop and is temporarily succeeded by Mrs. Orville Christman, wife of the proprietor, and Miss Anna Bradley.

The Florists' and Gardeners' Club are jubilant over having corralled the 1918 meetings of the Chrysanthemum Society of America and the American Rose Society together with the, unofficial American Carnation Society's exhibition, and will inaugurate preliminary arrangements at their next session, Monday evening, December 3. Motor Square Garden has already practically been decided upon for the show, and Secretary McCallum announces that \$2,000 have already been guaranteed and that the amount will shortly be doubled by subscription.

NEW YORK.

Bonnot Bros. have given up their wholesale flower business at 55 W. 26 street and will open a retail store on Eighth avenue.

Seven thousand four hundred visitors in one day is an excellent record for the chrysanthemum show at Prospect Park, Brooklyn.

There was a meeting of members of the American Peony Society at Hotel Grand, on Monday, November 8, at which were present President R. Vincent, Jr., Secretary J. Harrison Dick, James Duthie, Jos. J. Lane, Geo. L. Stillman and George W. Kerr. The proposed exhibition in Boston, September 8 and 9, 1918, was considered among other topics of society interest.

At the meeting of the Associated Florists of New York at the Hotel Netherlands on October 3, officers were chosen as follows: Alfred T. Bunyard, president; Wm. G. Phillips, vice-president; Geo. E. M. Stumpp, treasurer; Wm. H. Siebrecht, secretary; Michael Clark, Chas. A. Small, Edw. J. Hession, Herman Wendorff and Harold J. Perry, directors.

Alexander McConnell, a leading Fifth avenue florist for many years, has a little gold mine in his Woodside Nurseries at New Rochelle, 17 miles from the city. The nurseries consist of three and one-half acres of valuable land abutting on the Boston Post Road, a much travelled thoroughfare, and is devoted to very choice evergreens and other ornamental landscape planting material in selected grades. Blue spruce is a favorite stock and represented by numerous fine specimens. There is a well equipped office building, storage and packing sheds, garage and big delivery trucks, also a greenhouse in which are housed the ornamental plants, palms, etc., required in the city store decorative work, an indispensable adjunct for such an establishment. A large local trade has been developed since the advent of auto pleasure touring through this aristocratic suburban section and Mr. McConnell's landscape department has been growing rapidly.

ST. LOUIS.

The St. Louis Florist Club met Thursday, Nov. 8th, at Windler Wholesale Floral Co.

Ed. Loyett, manager at Grand Leader floral department, gave a chrysanthemum show of 4,000 blooms.

A new store will shortly be opened in the downtown district. It is to be called the Famous Art & Floral Shop.

The entrance of the dry goods department stores into the flower business has curtailed the glut and cut the retailers' profits in half.

The lady florists held a meeting at National Flower Show headquarters to forward plans to entertain lady florist visitors and in other ways advance the interests of publicity for the show.

CHICAGO.

Our young men in the trade have responded to the call of Uncle Sam till there is not a retail or wholesale store where they are not missed from their accustomed places. Among the growers and in the allied trades the same condition exists and no one can say there is any inclination to shirk or any lack of patriotism among those connected with the trade in Chicago and vicinity. All honor to the boys.

Geo. Keller and his sons, Steve and William Keller, have incorporated with a capital stock of \$10,000 for the manufacture of red pots at 2614-22 Herndon street. Mr. Keller started this industry many years ago on the north side, and the incorporation adds the younger son, William, to the firm, which was formerly Geo. Keller & Son, but is now Keller Manufacturing Co. As there is no red clay in Chicago it has to be shipped in.

Windows are now bright with blooming plants. Pot plants of chrysanthemums are in their prime and sell readily. Standard varieties are in full swing with the exception of the cap varieties which are about gone. Many fine specimen cyclamen well covered with blooms are seen in the market, the new strains coming in fine and bearing blooms of fine shape, colored like beautiful orchids. In Christmas peppers there are also different strains, much in demand where a moderate priced plant is needed.

ROCHESTER, N. Y.

Mrs. Owens is again with the Rochester Floral Co.

Charles Sharp, of Rochester Floral Co., has been called to his home in Hornell owing to the illness of his mother.

Horace Head and Mr. A. Beyers were judges at the Chrysanthemum Show held on Nov. 6th at North Presbyterian church.

A brilliant floral display is seen at the Lamberton Conservatory, the plants arranged in pyramids, 4,000 plants of 125 varieties massed together. Sensational varieties are Artista,

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BULBS

C. KEUR & SONS, HILLEGOM, Holland.
Bulbs of all descriptions. Write for prices.
NEW YORK BRANCH, 8-10 Bridge St.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell.
Stock For Sale.
JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DAISIES

Daisies (Bellis) Monstrosa, white and pink, also Longfellow and Snowball. Thinly sown field-grown seedlings, \$2.50 per 1000, \$11.50 per 5000, cash.

BRILL CELERY GARDENS,
Kalamazoo, Mich.

MISCELLANEOUS STOCKS

Aspidistras, green and variegated, from 6 in. to 10 in. pots. Adiantum Cuneatum from bench, large clumps. Vinca variegata, heavy field plants. Write for prices.

WILLIAM CAPSTICK,
Auburndale, Mass.

GOLD FISH

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white with cream center; Odessa, yellow; His Majesty, rich mahogany, white, yellow and crimson William Turner; William Vert, red, and October Herald, orange yellow.

The annual exhibition of chrysanthemums in the Lamberton Conservatory, Highland Park, opened on Saturday, Nov. 4. The conservatory will be open daily from 10 a. m. to 5 p. m., and the display will be in good condition for two weeks. There are about four thousand plants in the exhibition, and about 125 varieties. It is perhaps one of the best displays ever seen in the Park Department's greenhouse.

Tuxedo, N. Y. had its annual fall exhibition in the Tuxedo Club and it was a great success. The proceeds were donated to the Red Cross cause.

SITUATIONS WANTED

POSITION WANTED by a young lady who has had experience in the Florist business. Can give the best of reference. Phone 875-M Medford, or address MRS. F. B. GRANT, 92 Sheridan Ave., Medford, Mass.

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FOR SALE—Greenhouse in Boston centrally located, doing large profitable retail business. Two acres of land, 12,000 ft. under glass. Building well stocked and in good condition. For further particulars write or call J. H. BENTLEY, 95 Milk St., Boston, Mass. Tel., Main 280.

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We are now offering at our nurseries a fine lot of standard varieties or Ornamentals, extra large as well as medium. We wish to call special attention to our blocks of fine Barberry Thunbergii in two sizes, 18 to 24 inch and 2 to 3 feet. This is splendid stock, well branched and extra bushy. If you are interested in this, or any other lines, write for prices and list of stock. THE LIVINGSTON SEED CO., Columbus, Ohio.

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WANTED FOR NEW YORK SEED STORE

Man capable of managing Flower Seed Department, also knowledge of bulbs. Apply in own hand writing. All replies held in strict confidence. D. D. care HORTICULTURE.

WANTED A young man for general greenhouse work. One who is willing to learn. "W. T." care HORTICULTURE.

WANTED A live man competent to take charge and handle help, and with experience in designing. Must be a good grower of plants and cut flowers. About 70 miles from Boston. Answer stating wages, experience, reference, etc. No drinking men need apply. "A. L. O. L." care HORTICULTURE.

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TRUCK OR FLOWER FARM AT A SACRIFICE.

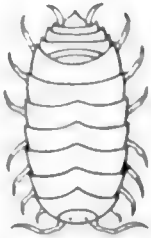
Sixteen acres, 2½ miles from splendid estate at Richmond, Va., on main road. Six room cottage, electric lights, bath, hot and cold water, current from city. Greenhouse 6 years old, iron frame 35 x 200 ft., heated by Knaesschell boiler electric motor and pump. House now set in tomatoes, blooming. Located at Dumbarton, Va., on each of main line Washington and New York. Shipments made in afternoon arrive New York same night. School and church right at farm. Would make ideal poultry plant. Will sell for \$7,000, easy terms. Land is worth \$300 an acre. Greenhouse and plant cost \$3,500 to build, would cost twice that today. Owner must sell at once to work for government. Address R. C. GONE, Dumbarton, Va.

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BRAND
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MANURE**

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Cattle Manure
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SOW BUGS versus SLUG SHOT



After reading the article headed "An Army of Sow Bugs," in the Review for May 10, it occurred to me that the growers whose stocks have been attacked by Sow Bugs might be interested in the remedy I used successfully in exterminating these pests some time ago. I had a good crop of Sow Bugs in my Carnation house and asked Mr. Benjamin Hammond, of Beacon, N. Y., for a good exterminator. Mr. Hammond recommended one of his preparations, SLUG SHOT and told me to dust it between the plants, under the benches and along the walks. I did so and the results were gratifying. The bugs were cleaned out in short order, and I certainly recommend SLUG SHOT to every Florist who finds these bugs in his houses. ALEXANDER A. LAUB, Florist
New Hamburg, N. Y., May, 1917.



HAMMOND'S SLUG SHOT was first tested against SOW BUGS at Nyack, N. Y., in 1885, and it holds good

HAMMOND'S PAINT AND SLUG SHOT WORKS

Beacon, N. Y., U. S. A.

SOLD BY SEED DEALERS OF AMERICA

During Recess

The Bowling Match at Cleveland

Cleveland florists showed themselves to be better bowlers than their colleagues from Detroit, in a match which was the athletic feature of the Flower Show. The contest was rolled at the Polster alleys, East 55th street and Euclid avenue, Thursday evening. The Cleveland men won two games out of three and carried off the silver cup donated by the Cleveland Cut Flower Co. Detroit won the toss for the odd game. George Bate carried away \$5 which was the prize for the highest score of the evening, 212. Each member of the winning team received a pair of cuff links donated by the J. M. Gasser Co.

CLEVELAND

	1	2	3
A. Hart	176	201	200
Ritzenthaler	149	171	166
H. Knobbe	156	154	156
F. Friedley	184	164	181
C. Graham	164	176	192
George Bate	158	212	188
Heuze	154	155	187
Walt Cook	120	149	155
W. Calhoun	129	141	141
H. Bate	183	177	208
	1573	1700	1794

DETROIT

	1	2	3
J. Stock	202	133	162
Mike Bly	169	105	154
Ingold	168	149	162
Brettmeyer	135	155	142
J. Street	187	187	177
Sullivan	137	149	140
Fetters	123	159	133
Demling	182	160	145
Chanet	156	142	117
Holznapel	140	140	181
	1599	1547	1573

The series will be completed by four games to be rolled in Detroit at a later

date. The prize for the high average of the entire series is a traveling bag donated by President Hagenburger of the Cleveland Florists' Club. Prize for high score of the entire series is \$10 donated by H. P. Knobbe. The prize for second high average for the entire series will be a silk umbrella donated by the Cleveland Plant & Flower Co.

New York and New Jersey Plant Growers.

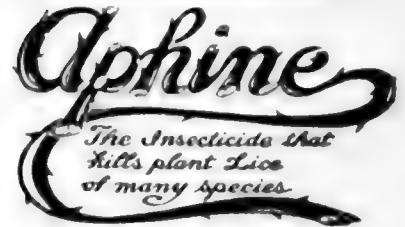
A mysterious meeting of the New York and New Jersey Association of Plant Growers was held on the 5th inst. It was a regular meeting date but the secretary had sent notices for the members to meet at the office of John Young, and had informed them that they would be taken from there to their meeting place.

At the appointed hour a good representation of the members was on hand and after considerable questioning they were escorted into taxicabs which conveyed them through the Bowery and lower East Side to Little Hungary on East Houston street.

The business meeting was held in the lodge room connected with the premises. A considerable sum was subscribed for the publicity campaign of the S. A. F., and the matter of Sunday closing of establishments was considered but not finally acted upon.

After the meeting a wedding gift, a silver dish and basket, which had been purchased by the members, was presented by William H. Siebrecht, Jr., to Henry Schmidt, who had recently re-married. The party then proceeded to the basement where a hearty supper (with wine) was served, and returned to the upper floor where they enjoyed the evening festivities until midnight.

It is needless to say that the mystery connected with the occasion added a degree of pleasure as did the surprise that was in store for the members and it is predicted that the secretary will have considerable difficulty in selecting a place for the next meeting which will afford as much fun as was enjoyed at this meeting.



The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

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For mildew, rust and other blights affecting flowers, fruits and vegetables.

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1/2 Pint, 25c; Pint, 40c; Quart, 75c;

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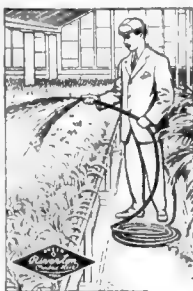
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MANY of us at the New York Foresters Club have been acquainted for some time with the late William Tricker, the older Dean of Aquatic Growers in this country. There was the loss to us all when he so suddenly went down to answer to the last Great Command.

Those who do not know Mr. Tricker's Son, wondered at the business which he had been so painstakingly and successfully developed, would now be carried on.

To you, and me, who did know him, however, there wasn't a moment's doubt.

So one industry day last winter, when dropping around

at the greenhouses with my camera, I found things going on much as usual, and yet not as usual.

"Tricker the younger" was making innovations, which it was evident were doing more than their bit to increase the merry ringing of the cash register.

It was an education in itself to walk through the houses and hear him talk about his "Water Babies" and Tuberos Begonias, of which he had a choice lot.

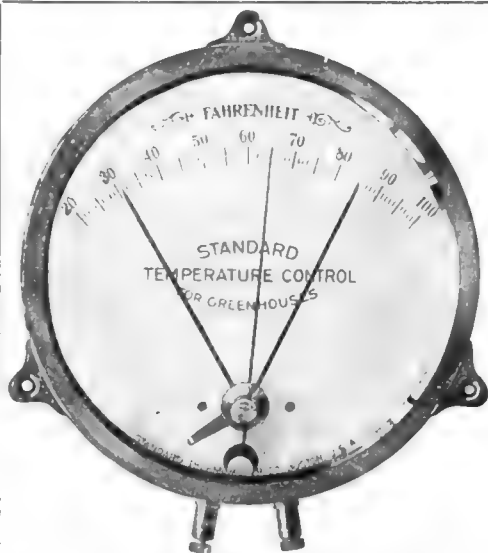
But in my enthusiasm about it all, I must not forget to at least mention that we build greenhouses, and that we go anywhere for business. Or to talk business.

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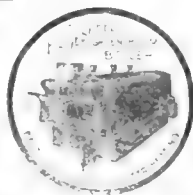
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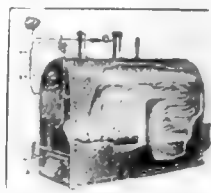


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Vol. XXVI
No. 21
NOV. 24
1917

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Smithii, 6 in. pots, 75c and \$1.00 each.
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The people are now looking for a plant which can be depended on to continue to bloom, and everybody knows a Geranium will, if anything will. Anticipating a heavy demand we have prepared the largest stock we have ever had, and are now in a position to ship 250,000 good 3-in. plants, and by Dec. 1st, will have 500,000 2-in. ready; some are ready now.

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La Reine, 1st size	1.50	13.50	
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Superfine mixed	1.00	8.50	

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Golden Spur, dbl. nose	2.50	22.50	
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Trumpet Major	1.60	14.00	
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Imperator Rubrorum, hand- some scarlet	\$2.00	\$18.00	
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Rose d'Armour, delicate rose	2.00	18.00	
Ten Rose, a sulphur yellow	2.25	21.00	
Tournesol, red and yellow	2.10	19.50	
Yellow Rose, late, pure yellow	1.25	11.00	
Mixed Superfine	1.15	10.00	

DARWIN TULIPS			
Clara Butt, shell pink	\$1.80	\$11.75	
Baronne de la Tonnaye, rosy carmine	1.30	11.75	
Anton Roozen, rosy pink	1.65	15.00	
Painted Lady, bluish white	1.50	13.50	
Glow, vermillion	1.65	15.00	
Francomb Sanders, scarlet	1.50	13.50	
Loveliness, rosy carmine	1.35	12.00	
Psyche, soft rose	1.65	15.00	
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TIMELY REMINDERS

Made-Up Plants

When making up lily of the valley, Roman hyacinths or other bulbous stock they should be placed as closely as it is possible to place them, but, of course, all this work should be done under a guidance of sense for symmetry and pleasing outlines. It always pays to strive for light, graceful effect. Well-flowered plants of Begonia de Lorraine, cyclamen, primula, etc. will produce a fine effect when intermixed with foliage plants of varying kinds in pans, baskets, hampers, jardinières and other receptacles of fanciful designs. Before commencing see that the stock you are about to use is given a thorough watering or dipping. All plants are usually firmly rootbound and should never be made up when the least bit dry.

Stock Plants for Next Winter

The small grower doesn't want to take a lot of cuttings in early fall to occupy valuable space on the good propagation bench. Don't overlook the setting aside of a good number of stock plants such as lobelia, ageratum, heliotrope, rose geranium, coleus, sweet

alyssum, fuchsia and many others outside of the geraniums, which you will need to propagate from in the winter. Shift a good number, also put a few dozens of sweet alyssum into 3's to 4's. They will come in very handy to be planted out along the carnation bench to furnish flowers the whole winter long.

Repairs and Painting

Materials are away up and there is little hope of their coming down in the near future so the only way is to be game and pay the price to have the necessary repairs made. Broken glass means drip, draft, loss of heat and many other things, every one of which means loss for the grower. There is still time to repair broken glass and do painting. Do some rather than let the place go. Help will hardly be more plentiful or cheaper.

John J. M. Farrell

THE S. A. F. PUBLICITY CAMPAIGN

Chairman George Asmus of the Finance Committee reports the following additional subscriptions to be paid annually for four years:

By Max Schling—Louis Dupuy, White-stone, N. Y., \$50.00; Max Schling Seed Store, \$50.00.

By W. R. Pierson—W. W. Thompson Co., W. Hartford, Conn., 15.00.

By J. G. Esler—John G. Esler, Saddle River, N. J., \$25.00; Madsen & Christensen, Wood Ridge, N. J., \$10.00; John Lange, Englewood, N. J., \$5.00; Stein Bros., Warren Point, N. J., \$10.00.

By Julius Roehrs—Herman Schoelzel, New Durham, N. J., \$25.00; Henry Baumann, W. Hoboken, N. J., \$10.00; Henry Schmidt, No. Bergen, N. J., \$10.00.

At New York Florists' Club Meeting, Nov. 12th—Employees Max Schling, New York, \$25.00; Scott Bros., Elmsford, N. Y., \$10.00; A. Kottmiller, New York, \$100.00; Leo Klein, New York, \$10.00; P. W. Popp, Mamaroneck, N. Y., \$10.00; A. N. Pierson, Inc., Cromwell, Conn., \$250.00; (second subscription); John Canning, Ardsley, N. Y., \$10.00; Maurice Fuld, New York, \$10.00; Roman J. Irwin, New York, \$25.00; Henry Weston, Hempstead, N. Y., \$25.00;

By Chas. Schenck—Patrick J. Smith, \$15.00; H. E. Fremont, \$15.00; Wm. Kessler, \$15.00; Alfred H. Langjahr, \$15.00; W. F. Sheridan, \$15.00; H. C. Weiss, \$15.00; L. B. Nason, \$15.00; J. J. Fellouris, \$15.00; Clarence Slinn, \$15.00; Gunther Bros., \$15.00; N. Lecakes, \$15.00; F. Lexy, \$15.00; Goldstein & Futterman, \$15.00; Badgley & Bishop, \$15.00; Geo. W. Crawbuck, \$15.00; Riedel & Meyer, \$15.00; Jos. Fenrich, \$15.00; John Young & Co., \$15.00; E. C. Horan, \$15.00; N. Y. Supply Co., \$15.00; Jas. McManus, \$15.00; Wm. P. Ford, \$15.00; Geo. C. Siebrecht, \$15.00; United Cut Flower Co., \$15.00; S. S. Pennock Co., \$15.00; L. W. Kervan Co., \$15.00; Henshaw Flower Co., \$15.00; M. C. Ford, \$15.00; J. J. Coan, Inc., \$15.00; P. F. Kessler, \$15.00; Hentz & Nash, \$15.00; Paul Meconi, \$15.00; H. M. Robinson Co., \$15.00; J. J. Levy, \$15.00; Charles Mil-

lang, \$15.00; Traendly & Schenck, \$15.00; Geo. Polykranas, \$10.00; A. Sauter, \$5.00; all of New York City.

By Florists' Telegraph Delivery Association—Charles H. Brown, New York, (second subscription), \$50.00.

By Secretary's Office—Valentin Burgevin, Inc., Kingston, N. Y., \$25.00; Chas. A. Moss, Spartanburg, S. C., \$25.00.

By D. C. Horgan—P. J. Berckmans Co., Augusta, Ga., \$5.00; Brunswick Floral Co., Brunswick, Ga., \$5.00; Lawrence Floral Co., Atlanta, Ga., \$10.00.

By Wertheimer Bros.—Boal Floral Co., Ithaca, N. Y., \$5.00.

Total, \$1,365.00. Previously reported from all sources, \$23,225.50. Grand total, \$24,590.50.

JOHN YOUNG, Secy.

Nov. 17th, 1917.

PRIMULA LA LORRAINE

This is a vigorous, hardy, free-flowering plant, soon forming a strong clump. It was raised by Lemoine of Nancy by crossing Primula Veitchii with the pollen of a variety of P. Sieboldii. The foliage is bold and handsome; the flower-stalks are strong and hairy, carrying one or two whorls of beautiful pink magenta flowers. As this hybrid Primula responds well to pot treatment, a batch should be grown in the cold greenhouse, where, if well shaded from the sun, it makes a fine show, flowering in May and June.—John Macwatt, in "The Gardener."

LIME SHOULD BE ORDERED NOW.

Orders should be placed at this time by planters who intend to use lime on their land in order to increase next season's crop. The manufacturers say it will be difficult to supply the demand if deferred until spring. If orders are placed at the present time they will be able, they say, to supply the agricultural needs. Lime applied in the fall or winter is as effective as when applied in the spring. Fall and winter application of lime is urged by the Dept. of Agriculture as good farm practice and also as an emergency war measure.

IS YOUR BUSINESS DRAB?

L. W. C. Tuthill.

Walk up the main street of your town some day. You see a dozen people. They are all dressed palpably alike. If you were to recognize them by their dress alone, you would call them all the same name. Along comes a man with his shoulders back and an air about him and a little touch to his clothes that makes him stand out head and shoulders above anybody else you pass.

It is exactly the same in business. There is a lot of drab business that looks just like the other ten. It is the fellow that can put the touch, the distinction, the bit of color, the sunshine into his proposition, that wins, and wins big.

Don't be just one of the ten. Be the head-and-shoulders eleventh man.

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The coal exigency

The coal situation seems to have reached an acute stage. At least it is so regarded by representative men in the greenhouse industry, for it is proposed that a delegation of them shall go to Washington to discuss the situation with the powers that be and impress upon them how vital it is to the men who cultivate crops under glass that they be permitted to have enough coal to prevent their crops from freezing up and themselves and their dependents from ruin. Factories may close down for a week or several weeks on account of fuel shortage and then open again in perfect order but it takes only a few minute's freeze to wipe out the entire savings of a lifetime when invested in greenhouse stock. Doubtless a straightforward presentation of the hardship that would be thus forced upon a beneficent industry will assure humane consideration and a reasonable immunity from the threatened calamity. We earnestly hope so.

The signs of the times

The average men in public life, and those assuming character as educators of the people seem often to be woefully lacking in any adequate conception of how essential flowers are to normal existence or a commensurate estimate of the good that flowers can do. That a fuller realization of the right-

ful place of these benefactions of Nature in civilized life may be awakened in the men who aim to mold public opinion, and their use by all the people increased, is the primary incentive behind the vigorous campaign now being prosecuted by the S. A. F. Publicity Committee. But while the collecting and disbursing of fifty thousand dollars to help strengthen and popularize the use of flowers is in itself a great and most commendable undertaking yet its chief significance to the observant mind lies not so much in the mere raising and purpose of this fund as it does in the underlying "get-together" sentiment of unity and co-operation, of which this movement is the outward manifestation. The signs of the times plainly indicate that the primitive policy of individual isolation, independent effort and trade antagonism in the florist avocation is now passing rapidly into disuse. It has taken a full generation of time since the seed of the new gospel of which the present co-operative movement is the fruition was sown. Gradually men of constructive ability and forceful character have come to the front and we now see commercial floriculture because of this concentration preparing to take its place high among the most respected mercantile industries of our country. It is evident that this converging of horticultural interests and ideals comes not one day too soon. The full force of a united front will be urgently needed in the handling of the many serious economic and merchandizing problems affecting the trade, which are sure to come up in the near future.

A sheet anchor

Fall trade thus far has been considerably under the mark, among the city florists especially. This condition is readily accounted for and it would be surprising if it had been different. Large numbers of young men of the class who at this season are accustomed to send flower gifts to debutante parties and other affairs that usually mark the opening of the season are in camp and the social atmosphere generally is conducive to extreme moderation in the line of entertaining. Just to what extent these facts can be held responsible for the present low tide of business cannot be reliably estimated until the subsidence of the chrysanthemum flood for, while apparently rather aggravated in degree the situation is not otherwise different in its general aspects and effect from that of other years at this particular period. Should it develop, however, that the unusual conditions above alluded to are seriously influencing the stability and immediate welfare of the florist trade, as some are disposed to believe, it does not necessarily follow that flowers must "go a-begging" this season or that the resourceful possibilities of the flower business are anywhere near exhausted. We like the tone of J. Horace McFarland's talk before the New York Federation which we have reported in part in another column of this paper and would commend it for careful perusal to our readers, particularly any who may feel despondent because of the slackening up or abandonment of certain gaieties and customs that have heretofore contributed substantially to the maintenance of commercial floriculture. Let us pin our faith on the inborn love of humanity for flowers, on which Mr. McFarland so eloquently bases his argument and see to it that, so far as our influence and effort can prevent it, this natural affection for our products be not permitted to smoulder, for while this instinct and sentiment is kept active our interests will be comparatively safe and if one avenue should be temporarily closed to us the great field is still open for development in numberless ways.

NEW YORK FEDERATION OF HORTICULTURAL SOCIETIES AND FLORAL CLUBS

Quarterly Meeting and Banquet.

Members and friends of the Federation of Horticultural Societies and Floral Clubs of New York State met at South Park Conservatory, Buffalo, Wednesday, November 14th, where President Henry H. Elbers of the Buffalo Florists' Club received them, and President of the Federation Frank R. Pierson presided. Reports of committees were heard and the report of the secretary, Prof. E. A. White, of Ithaca, was presented. Mr. Pierson spoke about the present need of additional greenhouses at the N. Y. State College. Mention was made of the progress toward securing a new and adequate Horticultural Hall for the State Fair Grounds at Syracuse. The gentlemen present represented the horticultural interests of all important districts of the State, and are earnestly working through the Federation to promote the welfare of this important industry. The members made a tour of inspection through the conservatory and were enthusiastic in their praise for the thrifty condition of all the plants. The brilliant display of chrysanthemums was of course the center of interest. Dr. Lewis of Syracuse declared that the South Park display surpassed that of a famous exhibition he had inspected some years ago in Paris. In the evening the members were entertained by the Buffalo Florists' Club at the Iroquois Hotel, where President Henry H. Elbers delivered an address of welcome and acted as toastmaster. Mr. Elbers said in part:

"This occasion is one of peculiar pleasure to me, for in extending my heartiest greetings I may speak of the earnest sympathy which I feel with the idea of co-operation and organization.

"What wonderful advantages have come from this working together! Not many years ago florists were plodding along as individuals, jealously guarding what they considered the secrets of their trade. Had they remained in this narrow frame of mind there would have been an utter lack of growth and progress. But with broadening outlook they sought publicity and invited inspection, with the result that for every good idea that an individual florist has given out I am sure he will admit that he has received a dozen in return. So beneficial has the new spirit of fellowship proved that it is difficult to recall how gloomy were the days before the dull clouds of envy and suspicion were dispelled by the bright light of friendship and co-operation. Organization is the spirit of our age, and by it almost all successful undertakings are accomplished; but, like all new things, it comes slowly at first. Usually a few leaders in a community are the first to realize the advantages, but the rest are not slow to follow, for horticulturists are wide-awake men.

"And so it is with the greatest personal pleasure that I welcome you to-night, gentlemen, and I trust that your visit to our city may result in a quickening of our interest in our fellow horticulturists throughout the State, and bring us into even closer sympathy with the work that the Federation is doing for the welfare of horticulture in New York State."

President Pierson spoke of the improvements observed at the Buffalo Botanic Gardens and was emphatic in his appreciation for the excellent character and condition of the plant material. "It is a great credit to those in charge," he said, "that such splendid thrifty vegetation is produced under conditions which are not the most favorable." Mr. Pierson spoke in appreciation of the banquet and of the beautiful decorations which the Buffalo florists had provided. "Much good can be accomplished both for individual florists and for the whole people of the State by the efforts of the Federation whose aim is to organize and regulate the forces of distribution and to broaden the interest of the general public in the products of the horticulturist." The toastmaster then introduced as the principal speaker of the evening, J. Horace McFarland, of Harrisburg, Pa. A summary of Mr. McFarland's address follows:—

"I have taken for my topic this evening, 'What About Flowers in the War for Democracy?' This war is our war. All our heart and soul and all our resources must go into the efforts that shall lead to the successful outcome of this giant struggle. How about flowers? Does it not seem as if these beautiful ornaments were among the non-essentials to be cast aside at this time? If the world is upset is there any place for flowers? I believe that the times of stress and sorrow that lie before us need all the cheer and uplift that flowers are so well fitted to render. The delight in beautiful flowers is the only human joy which may never be carried to harmful excess, which never degrades those who partake however freely of its ecstasy. Did you ever hear of anyone getting drunk on a bunch of flowers? Did you ever know of a man who could not go to work the next morning because he bought a dollar's worth of flowers the night before? Shallow people say we must get rid of flowers now. They do not know or realize the wonderful power of these lovely messengers of comfort and cheer. They vastly underestimate the good that flowers can do in lifting the hopes of the sick and comforting those who are sad. There will be many weary and worn soldiers returning ere long from the toil and din of the battle front. Of one hundred men who go over, but two are actually killed and three badly wounded. The ninety-five that return are nerve-shattered and

heart sick. Shall we have a country bare and desolate for them to return to? It is not mere sentiment alone, but a fact, to which physicians and nurses will amply attest that flowers are a distinct therapeutic value. By all means, then, let us not destroy these efficiency builders. We have heard some talk about limiting the coal allowed to florists. Let us not curtail the coal to the florist till we have curtailed the supplies to other forms of pleasure far less beneficial to society than flowers. Let us not listen to the curtailment of coal supply to the growers till the candy shops are closed, for though I have heard of a shortage of sugar, I have observed no shortage of candy. Let the government first take over the vast areas of land used in the cultivation of tobacco before the coal is limited to florists. Let us first close the movie shows with the enormous expense involved in their operation before we deny the florists their coal.

"President Wilson has said, 'The war must not destroy civil efficiency.' Flowers definitely add to the sum of human happiness and are for that reason an essential in our normal life. 'Flowers,' as Wm. Scott said, 'are for the sick, the sad, and the merry.' The great war will continue for some time to come in spite of our deep desire for its early and successful termination, and the expense will be even greater till what we have paid out now will seem like car fare; but the human frame is so constituted that life utterly devoid of pleasure is unendurable. Even efficiency will lag if obliged to labor in a dull dreary world. Just as it is impossible to do good work without a vacation, so it is impossible to live useful lives without any opportunity for enjoyment. Since pleasure we will have, then why not let us have the most uplifting and beautiful form—the pure enjoyment of lovely flowers."

Mr. McFarland's speech lasted a half hour and was very well received. Mr. Elbers then, in a few fitting words, expressed the evident appreciation of the audience for Mr. McFarland's excellent address, and then introduced Prof. E. A. White of Cornell, whose topic was, "The Training of Young Men for Work in Horticulture."

"Our instructional work," said Professor White, "is divided into three main branches. The first is the training of students directly in the theory and practice of horticulture. This is naturally divided by the different types of work into which the student intends ultimately to engage, into commercial floriculture, the management of estates, and home flower growing. We have our students first prepared in fundamental courses in botany, plant-breeding, plant physiology, and chemistry, so that they may have as complete a foundation as may be for their

practical work. The second main division of our work is the education. We have carried on much work on the basis of the principle of the school, and we have thus obtained is furnished to the people of the State in the form of lectures which are available to those desiring them. The third branch reaches out throughout the State in the form of extension lectures, and sometimes through the medium of the State University, to give lectures in various lines of horticultural work."

Following Professor White's address President Elbers spoke of the alarming condition which is sure to face the country in the future as a result of present war conditions. "I venture to say," began Mr. Elbers, "that of all the superintendents of private estates and public parks in America, ninety-nine per cent. are Europeans. The reason is plain enough to one who observes the facts. It is because Europeans have received a far better training along horticultural lines than Americans have. It requires a broad man to attend efficiently to the countless details of a private estate or public park, and only those equipped with a thorough knowledge, not only of one line but of many, can make a success of the work. If, then, we depend on Europe for our efficient horticulturists, where are we to be supplied after the war? Does it not behoove us now to train young men to fill these hundreds of positions throughout the country which will be demanding trained men in a few years to come?"

The next speaker, S. A. Anderson, spoke of the cost of retailing flowers. He brought out the fact that the present purchaser demands a much wider choice of flowers from which to select, and because of the necessary loss which falls upon the large retail florist who handles a quantity of stock he must figure a proportionate profit. "Flowers though themselves so perishable," went on Mr. Anderson, "leave memories which endure for years. Flowers then are cheap at even a high price. We should put more sentiment into our work and try to meet the demand of the public who ask for flowers that will speak, and carry to their friends the messages they would fain express."

Other speakers were W. A. Adams, who spoke of improvements in store management, Prof. D. Lumsden of Cornell on "Evolution in Floriculture," and Mr. Snyder of Albany on violet culture. Mr. Bates of Rochester talked on the present advantages of working together and helping the Publicity Campaign. Wm. Legg spoke of the value of horticultural training in school and community. Mr. Bodwin of Syracuse made a few remarks on his appreciation of the Federation for their splendid enthusiasm and spirit

CHRISTMAS POINSETTIAS.



The photographs here reproduced were taken by A. L. Miller of Jamaica, N. Y., who grows this holiday specialty in large quantities. The pictures show the popular forms and sizes in which poinsettias are offered in the New York market. They show the important requisite of good rich foliage clear to the bottom of the plants, without which they are not wanted by discriminating buyers. Notice that the single pot plants are tied to galvanized wire stakes in preference to the clumsy bamboo or green painted sticks commonly used.

our members are showing deep interest in making the chrysanthemum popular. During the season for examining new varieties, October and November, 1916, there were submitted to the examining committees nineteen large flowered varieties, eighteen anemone varieties, four single varieties and two pompon varieties. Mrs. F. C. Lloyd, Bernardsville, N. J., offered three varieties for registration as follows:

Mrs. Francis C. Lloyd—Pure white Anemone on the order of Garza, larger flower, wider petals and considerably taller than Garza in growth.

Mrs. Owen Winston—Clear yellow Anemone with a bright orange center—outer petals perfectly straight. Plant is a strong grower, tall and healthy habit.

Mrs. Chas. S. Whitman—Lavender pink with a center of light cream yellow. An exceptionally fine Anemone variety.

The reports of the examining committees were sent the trade papers each week and the usual final summary of the season's work was published.

Your secretary appreciates the kindness of the firms and individuals who have offered the fine list of special prizes for this exhibition, and thanks every one of the contributors for the generous manner in which they answered his appeal. President William Vert also was responsible for obtaining several of the special prizes.

During the year your secretary received notice from the Panama Pacific International Exposition that the International Jury of Awards had conferred a gold medal upon the Chrysanthemum Society of America as Colla-

borator in the National Fall Flower Show held in San Francisco, October, 1915. The diploma and medal have been received by your secretary.

Several communications concerning the classification of the different types of the chrysanthemum have been received by your secretary during the past year and he would suggest that the members take up this question for consideration.

A word or two in commendation for the very efficient work done by the Cleveland Flower Show Committee: They certainly deserve great credit for the work they have done and greatest success for the undertaking.

The routine work of the secretary's office consisting of sending out the statements to the members, recording the varieties disseminated, getting out the report of the Fifteenth Annual Meeting and the solicitation of the special premiums was attended to in due season.

Your secretary wishes to acknowledge the kindness of Mr. Elmer D. Smith in furnishing him with a complete list of varieties disseminated in 1916 which was a great help in getting up the annual report.

The trade papers very generously published all notices sent to them from time to time during the year for which we owe to them our vote of thanks.

A detailed report of all money received and paid over to the treasurer accompanies this.

CHARLES W. JOHNSON, Secy.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Secretary's Report.

Notwithstanding the critical times through which our country is passing the Chrysanthemum Society of America continues to make progress and

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The regular meeting of the club was held Tuesday evening, Nov. 20th, with an attendance of 150. Five new members were elected. There was a notable display of flowers, on which the following awards were made: English winter-flowering begonias from Peter Arnott, Chestnut Hill, eight varieties, cultural report of merit; *Ligustrum vulgare foliocum* from Wm. H. Judd; six varieties of splendid carnations from S. J. Goddard; Anemone-flowered chrysanthemums from W. D. Nickerson, Haverhill; chrysanthemums Innocencia and H. J. Heinz and W. N. Craig; rose Mrs. Henry Winnett from Cromwell Gardens, report of superior merit; collection of decorative chrysanthemums from Cromwell Gardens; collection of decorative chrysanthemums from Charles H. Totty, Madison, N. J., report of merit; unnamed pink seedling rose from Chas. E. Holbrow, Brighton; chrysanthemums from Janiten & Wollrath, Waltham; a white sport of Carnation Pink Delight from C. S. Strout, Biddeford, Me., honorable mention; Carnation Snow White from C. S. Strout, report of merit. Vote of thanks to all the foregoing except where awards are otherwise noted.

There was a long discussion on flower publicity participated in by Messrs. Goddard, Palmer, Wheeler, Finlayson, Cameron, Craig and others, and it was voted to contribute \$50 to the publicity campaign. It was also voted to offer \$25 as a special prize at the exhibition of the American Carnation Society to be held in Boston in January.

A communication was read from the National Association of Gardeners relative to the convention to be held in Chicago early in December. A report of the recent successful vegetable show given by the club was read. A number of members who won prizes have returned the money to the treasurer so that the total cost to the club for conducting the show was only \$50.

Nominations for officers were made as follows: President, A. K. Rogers; after eleven men had declined to run, C. P. Sweetser accepted the nomination for vice-president; treasurer, S. J. Goddard; secretary, W. N. Craig; executive committee, James Methven, Wm. H. Judd, James Donald, Fred J. Elder, W. G. Wyman, Geo. W. Hamer, Duncan F. Hill and Richard Calvert.

Short addresses were made by Walter Mott, representing Benjamin Hammond, Beacon, N. Y., and Mr. Lacava of Cromwell Gardens.

Instructive talks on the propagation of evergreens were given by W. H. Judd, A. E. Robinson and John Kirkegaard.

It was unanimously voted to cut out all lunches at the club meetings "for the duration of the war."

LENOX HORTICULTURAL SOCIETY

The annual meeting of this society was held in the Lenox (Mass.) town hall on November 14th. The treasurer's report was most satisfactory

Meetings Next Week

Monday, Nov. 26.

Florists' and Gardeners' Club of Rhode Island, Swartz Hall, Providence, R. I.
Gardeners' and Florists' Club of Baltimore, Florists Exchange Hall, Baltimore, Md.

Tuesday, Nov. 27.

Newport Horticultural Society, Newport, R. I.
Tarrytown Horticultural Society, Tarrytown, N. Y.

Wednesday, Nov. 28.

Oyster Bay Horticultural Society, Oyster Bay, N. Y.

and proved the society to be in a good financial condition, and the secretary's report was also most encouraging.

Edwin Jenkins, president pro tem, then asked the society for a donation to aid the good work of the Y. M. C. A. Red Cross Triangle Branch and \$25.00 was donated for this purpose.

The election of officers resulted as follows: President—Robert Scott, superintendent of the Holmesdale estate, Pittsfield; vice-president—J. Johnson, of Blythewood Farm, Pittsfield; treasurer—Alfred Loveless, re-elected; secretary—Henry Heeremans, re-elected; delegate to State Board of Agriculture—Alfred H. Wingett.

HENRY HEEREMANS, Secy.

HOLYOKE AND NORTHAMPTON FLORISTS' AND GARDENERS' CLUB.

The regular meeting was held Nov. 7th at the greenhouses of G. H. Sinclair & Son, Holyoke. The chief feature of the meeting was the contest for the Skinner cup, offered for twelve chrysanthemums, one variety. The cup was won for the second time by G. H. Sinclair with massive blooms of Yellow Turner. James Whiting of the Mass. Agricultural College, last year's winner, was a close second with shapely blooms of Wm. Turner, but a trifle past their best. F. D. Keyes & Son and Gallivan Bros., also competed and were placed in the order named. The judging was done by Donald MacGregor, sup't of the Lyman estate, Northampton. H. E. Downer exhibited sprays of Chrysanthemum indicum. After a brief business session the rest of the evening was devoted to social entertainment with wives and lady friends taking part.

H. E. D.

WORCESTER FLORISTS ORGANIZE

Ten florists of Worcester county, Mass., met in the library of Horticultural hall, Wednesday afternoon, Oct. 31, and organized a club to be known as the Worcester County Florists' Club.

These officers were chosen: President, A. H. Lange; vice-president, W. J. Wood, and secretary and treasurer, Harry I. Randall. It is hoped florists from all over Worcester county will join the new organization, and if more information is desired would-be members are invited to get into touch with the secretary or other officers of the club.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The 13th annual chrysanthemum show of this society was held in Glen Cove, N. Y., on Nov. 1st and 2nd. Competition was strong in all the 47 classes. The flowers as usual were of the finest size and quality. The vegetables, roses, carnations, violets and decorative work were all good. Particularly deserving of notice were the specimen bush and standard chrysanthemums Hooper Pierson exhibited by Robert Marshall, a standard single Miss May Pope, shown by James McCarthy and a very tastefully arranged group by Robert Jones. A great effort was made by all exhibitors to make this show a success for the Red Cross and the highest praise is due to them. Exhibitors competed for prize cards only. The winners on plants were Robert Jones, Robert Marshall and Jas. McCarthy; cut blooms, Robert Marshall, Geo. Ferguson, Robert Jones and Jas. McCarthy; single hardy varieties, Mrs. F. B. Pratt. The silver cup for best collection of hardy sorts was won by John W. Everitt. Other prize winners were Thomas Twigg, Geo. Ferguson, Jos. Robinson, W. Churchill and Robert Jones. Violets, John W. Everitt, Robert Jones and Wm. Noonan. Decorative work, table decoration, 1st, Jos. Robinson; 2nd, John W. Everitt; 3rd, Robert Jones; 4th, Wm. Noonan. Vegetables, 12 kinds, 1st, Henry Gaut; 2nd, Robert Jones; 9 kinds, 1st, Frank Petroccia; 2nd, Wm. Noonan. In the non-competitive class Robert Marshall exhibited a large fan-shaped Lady Lydia, a fine plant well worthy of the cultural certificate awarded it. A. N. Pierson, Cromwell, Ct., exhibited Rose Mrs. Henry Winnett, which was awarded a certificate of merit. James Gladstone, as usual, made a most efficient manager, assisted by Harry Goodband.

The regular monthly meeting of the society was held on November 14. Awards were as follows: Jas. McCarthy 1st for chrysanthemums in all three classes. An extensive display of outdoor-grown seedling chrysanthemums by Henry Gaut was awarded a certificate of merit. Violets Princess of Wales and cauliflower, certificate of merit to F. Petroccia. Honorable mention to J. Mastroianni for cauliflower. Best table decoration by assistant gardeners, 1st, Henry Mishelson; 2nd, Norman Bruce; 3rd, Carl Peterson; 4th, Geo. Ford. It was unanimously agreed not to hold our annual smoker, but instead each member present contributed to the Christmas Kit Fund of the Red Cross. Exhibits for the annual meeting to be held on Wednesday, December 12, are three heads of lettuce, pot or pan of Lorraine-type begonia and pot or pan of Roman hyacinths.

HARRY GOODBAND, Cor. Sec.

LANCASTER COUNTY FLORISTS' CLUB

The last effort of the club began with a visit to Harry K. Rohrer in the east end of the town. Mr. Rohrer leaves the running of the place to two faithful boys, Harry K. and Abraham. Bonnation chrysanthemums are a specialty at this time of the year and the houses will be filled with primulas soon as these are out. Dolly Dimple, Chieftain, Seidewitz are also grown, and a number of the newer ones are on trial, as well as a collection of Chas. Totty's large and more flowered. Carnations fill a number of houses. Forget-me-not and calendula for cut flowers and Primula obconica, genista and cyclamen as pot plants and frames of pansies for next spring indicate they do not believe in putting all their eggs in one basket.

At Lemon Landis's there is a general line of cut flowers. At Wissler's callas predominate. Sweet peas and carnations are also coming on. At J. P. Seibold's we found an assorted stock for local market purposes. Mr. Seibold has reached the age that entitles one to a rest from the cares of a place and would sell out if times were more propitious for selling.

Across the town at Rudolph Nagle's we were impressed with the chrysanthemums, Keystone snapdragons and sweet peas. The follow-up system has been worked out pretty good here. He is growing quite a lot of lettuce and radishes as catch crops and has mignonette and freesia that will hit the holidays.

At the B. F. Barr greenhouses carnations and roses are good. Hardy stock is being dug and stored for early spring sales. The storage warehouse and packing sheds of this place are models of efficiency. At the carnation establishment of Enos Kohr we found Alice and Mrs. Ward in good shape, and a house of Matchless in rather bad shape and for no accountable reason, as up to Jan. 1st last season from this house eight blooms per square foot were cut and by the end of the season it reached the grand total of thirty-eight, and as I saw them several times I can vouch that they were high-class blooms. This stock was propagated from these plants and to the best of Mr. Kohr's knowledge given the same care and attention as in previous years, but today they will not average one bloom per square foot by Jan. 1st. However, the young growth is looking good. Mr. Kohr's houses hold 15,000 plants each, and it is quite a loss to have one of them go bad.

Back to town for lunch and the meeting in the evening, where Harry K. Rohrer displayed a vase of new Totty chrysanthemums and a very handsome specimen of Louise Pocket, which was chanced off by number and won by the writer.

Mr. Rohrer gave a very instructive paper on chrysanthemums, after which we had a little talk from one of our amateur growers.

The next meeting will be the nomination of officers and along with it a social session at the Brennenman building in place of our usual annual banquet, with David Rose, Elmer Weaver and A. M. Herr on the committee.

"Stop, Look and Listen," and then Lookout Some. ALBERT M. HERR.

CHICAGO FLORISTS' CLUB.

The November meeting of the Chicago Florists' Club was held Nov. 15, one week later than usual to allow its enterprising members an opportunity to attend the flower shows without being absent from the meeting. Paul Klingsporn, vice-president, presided. The report of the publicity campaign committee was presented by Fred Lautenschlager. It covered many pages, but the footings totalled over \$2,000, all taken in from receipts of sales of the little stamps; \$1500 were paid for a one page advertisement and the balance remains to go on with the work. The results are considered very encouraging. The club voted \$100 to the Y. M. C. A. fund. The following nominations were made for officers for next year: President, Fred Lautenschlager and Paul Klingsporn; vice-president, Ed. Muerett and O. J. Friedman; secretary, Allie Zech; treasurer, Otto Amling. The club voted to sell flowers at the Art Institute next week to aid the Y. M. C. A. and appointed O. J. Friedman and Leonard Vaughan committee of arrangements.

THE GARDENERS' CONVENTION.

The eastern delegation that will attend the convention of the National Association of Gardeners, to be held in Chicago, December 4-5-6, will leave on a special car over the Delaware, Lackawanna & Western Railroad, New York (Hoboken), at two o'clock Sunday afternoon, December 2d, due to arrive at Chicago at five o'clock Monday afternoon.

The train is due at Buffalo at 1.50 a. m., Monday, where the party will be joined by some of the up-state members. At Cleveland, where the train is due at 5.45 a. m., Monday, the party will be added to by members from that territory.

Those intending to travel with the special party from New York should communicate with the secretary, M. C. Ebel, Madison, N. J., without delay in order to secure accommodations in the special car.

AMERICAN ROSE SOCIETY.

The following described rose has been presented for registration by A. N. Pierson Co., Inc., Cromwell, Conn.:

Name—Evelyn. Class—Hybrid Tea. Parentage—Ophelia Sport. Description: Habit of plant—vigorous; foliage—dark green, abundant; freedom of growth and hardiness—like parent; flower—large; color—soft pink, toning to yellow at petal base; form—somewhat globular; fragrance and bud—like parent; 45 to 50 petals; free as parent, better keeping quality.

The rose is similar to Ophelia but is different in color and foliage and superior. Additional petalage making it a fine cut flower during summer.

Unless objections are received within two weeks from the publication of this notice the variety will be officially registered in the Society.

E. A. WHITE, Secy.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The regular monthly meeting was held in Greenwich, Conn., on Nov. 2nd. Cultural certificate for Begonia Emile Clibran was given to Wm. Graham; high commendation to W. J. Sealey for Ophelia roses, to James Lanaine for Nerines, to Thomas Ryan for chrysanthemums, to W. J. Sealey for pompon chrysanthemum, to James Stuart for salvia, to Paul Dwenger for lettuce and to Wm. Smith for carnation Enchantress Supreme, honorable mention. The monthly prize went to Wm. Graham, 2nd to Thos. Ryan, 3rd to W. J. Sealey. It was decided to donate \$100 toward restoring the fruit orchards of France. Wm. Vert, president of the Chrysanthemum Society of America, was present and spoke a few words.

The annual fall show of this Society was held in the Armory, Greenwich, on Tuesday and Wednesday, Nov. 5th and 6th, under the auspices of the Greenwich Chapter of the Red Cross. It was one of the best shows ever staged by the Society.

The principal prize winners in the bush chrysanthemums were Mr. Barron, gard. James Lanaine and W. J. Sealey. James Lanaine's bush plant contained 700 blooms and was quite a sight in itself. In the cut bloom classes Alfred Beszkie, gard. for W. Zielger, Thomas Archison, gard. for Nathan Strauss and Wm. Whitton, gard. for Mrs. I. H. Flagler were the principal winners. In the small growers' classes Alex Smith, Stephen Deitrich, Thos. Ryan and Alex Clarkson were the leading winners. In the chrysanthemum groups. Wm. Graham, gard. for E. C. Converse was 1st and Wm. Whitton 2nd. A feature of the show was the very fine groups of flower and foliage plants for which Robt. Williamson, gard. for Mrs. A. A. Anderson was 1st, Robt. Allen, gard. for E. C. Benedict 2nd and Wm. Whitton 3rd. In the palm classes James Stuart, gard. for Mrs. F. A. Constable and R. Williamson annexed most of the blue ribbons. Joseph Tiernan, gard. for Adrain Iselin captured the cup for 20 varieties of singles and in the 20 varieties of pompons J. B. Sealey secured first place.

There was strong competition in the rose classes and the prominent winners were Owen Hunwick, gard. for E. Holbrook, Wm. Graham, Robt. Grunert, gard. for Mr. Rice, Stephen Deitrich and Wm. Whitton. Wm. Graham and Thos. Aitchison carried off most of the prizes in the carnation classes. James Stuart, Robt. Allen and Robt. Williamson took the most of the orchid ribbons.

James Stuart secured 1st on vegetables and Mrs. Ernest Iselin, gard. Duncan MacIntyre in the smaller class.

In the ladies' table decoration Mrs. Armstrong was 1st, Mrs. J. H. Flagler 2nd and Mrs. E. C. Converse 3rd, and in the men's, Wm. Whitton was 1st, Thos. Aitchison 2nd and Walter Hewitt 3rd. There was a fine display of orchids from the George Baldwin Co.

The judges were Wm. Vert, Greenwich, Thos. Stobo, Garrison-on-the-Hudson, and Oscar Carlson, Fairfield. ALEX. CLARKSON.

Three Great New Roses

Orders now being booked by the S. S. Pennock Co.
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ROSALIND Larger than Ophelia and with one-third more petals than in that popular variety. Color in the bud stage an intense coral orange. When open a lovely shade of flesh pink. A free grower and heavy producer.

COLUMBIA Peach-blow pink, a shade lighter than Shawyer. A large rose and a heavy producer. The foliage is a pleasing deep green, the stems long and strong. One of the greatest and most promising among the newcomers.

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COOPERATION.

Some Remarks by Richard Vincent, Jr., at the Gardeners' Meeting in New York, November 8.

There is no vocation, no profession, but what is promoted by the co-operation of those engaged in it. Association with those engaged in the same pursuits, with common interests and with mutual aims, is the watchword of the day, whether it is the laborer in the mine, the shop or factory, the farmer in the field, physician, lawyer or whatever calling man may engage in, the first step toward independence, advance, self-protection and defence is the union of segregated individuals into a compact and mobile force whose vital influence and efficient power may be wielded as an energetic unit for the good of all. Should the gardener be an exception?

The effect upon a National Society of a complete group of state societies, selecting their most advanced, intelligent and energetic members to send each year to the annual sessions would be:

(1) To give it a representative character and standing equal in dignity and power to associations of other business and an efficiency not now possessed by us.

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(2) To enroll under its standard those who are at present inert, lukewarm or positively unfriendly.

The influence upon the individual might be counted as follows:

(1) To stimulate to larger, broader views, take him out of the local and provincial field and widen his vision, to consider his vocation in its national, even world-wide scope and to promote the interchange of valuable experiences, and inspire a spirit of co-operation.

(2) To bring him personal gains by the advances necessarily secured where a thousand rivulets, bringing information, mutual aid, timely suggestion and friendly co-operation will give volume and momentum to the resultant stream.

Let us have a state society in every state and a tributary local club in every town and neighborhood where numbers will allow,—all links in a sentient chain, each one necessary to the completeness, strength, efficiency and force of the National body, which, thoroughly representative in composition and character, material and aims, will give us greater eminence among other organizations, honored and applauded for good work throughout the land. Remember the fable of the bundle of arrows, each easily broken of itself, but once bound together, beyond any force to disrupt. Let us recognize and remember that, with gardeners and florists, as with every other profession and pursuit,

however lowly or however exalted, "In union there is strength."

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SEED TRADE

Grass Seeds.

We learn from the Seed Reporting Service of the U. S. Department of Agriculture the following facts concerning crops of Kentucky blue grass, redbot and meadow fescue:

KENTUCKY BLUE GRASS (In Kentucky)

Since the large crop of 1912, there has been a large surplus of seed carried over each year, and the situation has been more aggravated by the fact that much export demand has been cut off, owing to the war. This surplus has been gradually moved, however, and estimates of seed of all crops on hand in cleaners' hands carried over are about 185,000 bushels. (Basis stripped seed.) Farmers are estimated to have carried over about 90,000 bushels, making a total of 275,000 bushels. This year's crop is estimated about 200,000 bushels. Farmers have been free sellers and at this date have practically no seed on hand. Trade as compared with 1916 has been about the same, though very little seed has been sold for export. Domestic trade very fair on the whole, and fair amount of seed shipped at prices of \$2.60 per bushel (car-lot basis, 21-pound seed) for the old seed and \$2.75 per bushel for the new crop. Cleaners report present stocks on hand moderate.

REDBOT SEED

In the following estimates unless otherwise specified, the amounts stated refer to Fancy Redtop only. Information in reference to carry-over or stocks on hand has not been asked up to this time from jobbers outside of the Redtop section who are large handlers of seed. The estimates therefore comprise only cleaners in the producing region and are approximately accurate. Cars are estimated 30,000 pounds. Of the 1916 crop it is estimated growers carried over 5 cars, cleaners report 19 cars; total 24 cars. The 1917 crop is estimated at 120 cars. Prices on the 1916 crop advanced late in the season after sowing was over. The highest prices bid to growers were early in the season of 1917, varying from 12 cents to 14 cents, according to locality, afterwards declining to 9½ cents and 10 cents, and advancing to 10 and 11 cents. The bulk of the crop moved at about 10½ cents. Cleaners' prices in car lots have varied from 13½ cents to 12½ cents early, then 11½ to 12 cents, and now range from 12 to 12½ cents. Demand is generally reported only fair, though some cleaners say a little more active lately. The amounts unsold in hands of all cleaners at this date are about 90 cars fancy and 16 cars unbulled. Farmers are estimated to have 8 cars on hand.

MEADOW FESCUE

Most of the meadow fescue seed crop of the United States is produced in four counties in the eastern part of Kansas. The production the last few years has been below normal, largely because of the decreased acreage. The short crop this year was of excellent quality and practically all of it is out of the growers' hands and

REALLY GOOD BULBS

WHITE ROMAN HYACINTHS

	Per 100	Per 1000
13 c/m to 15 c/m.....	\$5.00	\$47.50
14 c/m and over.....	5.75	55.00
15 c/m and over.....	6.00	57.50

PAPER WHITE NARCISSI

14 c/m and up.....	1.50	13.50
--------------------	------	-------

Write for special quotations to the trade on Narcissi, Darwin Tulips, Single Early Tulips, etc.

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Cold Storage Lilies Always

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Commerce Bldg., Boston, Mass.

held at this time by the Missouri Valley seedsmen, awaiting export shipment. At harvest time growers were being offered about 5 to 6 cents a pound for clean seed, but not much seed was attracted until higher prices were offered. Many of the last purchases were made at 8 to 10½ cents. A very small per cent. of the crop, probably not to exceed ten per cent. normally, is used for sowing in this country, and because of the restrictions and difficulties in ocean transportation, the outlet for this year's crop of approximately 15 carloads and of the approximately 10 carloads carried over from other years is rather uncertain.

Wholesale Seedsmen's League.

The annual meeting of the Wholesale Seedsmen's League was held at the Hardware Club, New York City, on Tuesday, November 20. The three directors whose term of office expires now, Messrs. F. W. Bruggerhof of Thorburn's, New York, W. L. Hunt of Jerome B. Rice Company, Cambridge, N. Y., and Lester Morse of San Francisco, were unanimously re-elected for another three-year term. The nine di-

rectors then met and re-elected the old officers for the coming year, viz.: F. W. Bruggerhof, president; Burnet Landreth, secretary-treasurer. The rest of the time was devoted to a revision of wholesale prices and other matters of timely importance to the trade. The bean situation was declared to be the worst that the seed trade ever had to face.

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READY NOW

Keystone Snapdragon Seed. Winter Blooming. \$1.00 per pkt., 6 pkts for \$5.00.

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Mignonette. Giant Greenhouse Grown. \$8.00 per ounce.

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White Roman Hyacinths, 12 to 15 ctm. \$34.00 per 1000; 13 to 15 ctm. \$36.00 per 1000.

Single Early Tulips, Thorburn's Rainbow Mixture, \$6.00 per 1000.
Parrot Tulips Mixed, \$6.25 per 1000.
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Single Sweet Scented Jonquils, \$4.00 per 1000.

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Amaryllis, Callas
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11/13, 100 to a case..... 16.00 per case

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13 to 15 cts. 1250 to case.....\$14.00 per 1000 \$17.00 per case
14 ctm., 1000 to case..... 16.00 per 1000 16.00 per case

WHITE ROMAN HYACINTHS

13x15 ctm.....\$5.00 per 100 \$50.00 per 1000
15 ctm. and up..... 7.00 per 100 65.00 per 1000

FREESIA PURITY

First size\$10.00 per 1000

CALLAS

Medium size\$10.00 per 100 Mammoth size.....\$15.00 per 100

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WHOLESALE AND RETAIL.Reselected Strains in Seeds.
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BOSTON, MASS**GARDEN SEED**BEET, CARROT, PARSNIP, RADISH and
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items of the short crop of this past season,
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ORDER NOWPAPER WHITE NARCISSUS,
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Transfer Your Orders to

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Deliver orders from any part of the country to

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St. Louis, Mo.—Phillip Hecht, 523 Olive street.

Omaha, Neb.—Louis M. Rogers, 319 South 16th street.

Providence, R. I.—Henry Phillips, 159 Academy avenue.

Evanston, Ill.—J. J. Budlong, Wilson avenue and Sheridan road.

Jersey City, N. J.—Bridal Florist, 382 Central avenue; John Pappas, proprietor.

Bowling Green, O.—Miss Marie Rex and Miss Mary Mercer, South Main street, succeeding W. W. Milnor.

Among the various forms of "patriotism" which have been urged upon the public the proposition to put the florist out of business should be slated for a quick death.

WASHINGTON'S LITTLE JOKE.

PRETTY GIRLS WANTED AS SPONSORS FOR MUMS.

How would you like to have a chrysanthemum named for you?

Many of the myriads of shimmering blossoms—nearly 1,500 of them—at the show of the Department of Agriculture at its greenhouses at Fourteenth and B streets north-west are seedlings, and need to be named.

If a pretty girl with a pretty name will go down and pick out the seedling that she thinks the prettiest, and will go up to the director and say, "Won't you please name this chrysanthemum for me?" her wish will be carried out. Anyone that suggests a good name for any of the scores of unnamed plants will be allowed to officially christen a chrysanthemum.

The flower show has been distinguished by the number of uniformed men that have attended. Frenchmen have admired the exquisite orange and lemon colored flower named after Marshal Joffre. "Pershing" is a huge vermilion bloom.

—Washington Times.

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At your service to deliver Flowers or Designs on Order by Telegraph or otherwise. Prompt Reliable Service.

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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address Dardsflor.

We should all strictly adhere to the request of the United States Food Administration.

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**Artistic Designs . . .
High Grade Cut Blooms**

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CHICAGO Send Your Orders to WILLIAM J. SMYTH

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Deliveries to Steamers and all Eastern Ports

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Will take good care of your orders
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Orders Filled Day or Night for
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Complete Stock. Regular discount to Trade.
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735 Euclid Avenue
CLEVELAND, OHIO
Flowers of Every Kind in Season

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ANDERSON service means fresh, sturdy
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WORCESTER, MASS.
Randall's Flower Shop
HARRY L. RANDALL, Proprietor.
Mention Florists' Telegraph Association

Obituary

Wilford B. Woodruff.

W. B. Woodruff, engaged in the florist business in Westfield, N. J., for the past 46 years, and a life-long resident of the town, died at his home on Grove street, on Sunday, November 11, aged 67 years. He leaves two sons and one daughter.

William B. Hall

William B. Hall, who for the past thirty-five years has been identified with Pittsburgh's retail flower trade, died there in the Presbyterian Hospital last Saturday evening after an illness of only one week's duration. The funeral services were held Tuesday afternoon at the home of his sister, Mrs. Charles Ralston. Mr. Hall, who was 47 years of age, entered the employ of the B. A. Elliott Co. when a mere lad, remaining about fourteen years. Since then he has been with the A. W. Smith Co., where his brother, Arthur Hall, is also employed. Mr. Hall is survived by his widow and four children, the youngest six months old.

James Doherty

James Doherty, city forester of Cambridge, Mass., for the past 36 years, died at his home, 75 Inman street, on Nov. 20. Mr. Doherty, although 80, had always enjoyed good health up to about a year ago. He was born in Londonderry, Ireland, in 1837, and came to this country at the age of seven. Three years afterward his family moved to Cambridge. Horticulture always appealed to him, and in his youth he entered the employ of the famous old Hovey Nurseries. Mr. Doherty was one of the first to sell cut flowers over the counter, opening a store in the old Horticultural Building on Tremont street, Boston, and was recognized as a floral artist of more than ordinary ability. In 1858 he was married to Miss Martha A. Bowers, who died a few years ago.

NEWS NOTES.

Fairport, N. Y.—Frank W. O'Brien has purchased the Salter Greenhouses.

Abilene, Kan.—The Arstrand Greenhouses have been sold to A. B. Walter.

Westerville, O.—The Hemminger & Jones range of greenhouses on South State street have been purchased by L. C. Wogan.

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553 SO. OLIVE ST.
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Every Order sure to receive prompt and careful attention.

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Albany, N. Y.

The Best Service
Our Business is Growing
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NOTICE INITIALS. We have one store only

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8-10 West Adelaide St. - TORONTO, ONT.
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Flowers or Design Work
DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER
106 STATE STREET, ALBANY, N. Y.

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The largest cut flower store in America. Orders for the TWIN CITIES and for all Northwestern points given prompt attention

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ST. PAUL, MINN.

The Park Floral Co.

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BOXWOOD

\$15 per 100 lbs.

The small or large leaf variety. The best we have ever handled. Let us book your order now.

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SPECIAL OFFER, THIS WEEK ONLY

No. 1 Fresh Cut Roses, Short Stems, Suitable for Design
Work, \$15.00 per 1,000, assorted.
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No. 3 Assorted Roses, Our Selection, 500 lots.....\$15.00
No. 4 " " " " 500 "20.00
No. 5 " " " " 500 "30.00

Trial Order Solicited.

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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

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Wired Toothpicks

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Roses						
Am. Beauty, Special.....	25.00	to 30.00	40.00	to 50.00	20.00	to 25.00
" " Fancy and Extra.....	6.00	to 20.00	20.00	to 30.00	12.00	to 15.00
" " No. 1 and culls.....	1.00	to 6.00	5.00	to 10.00	4.00	to 10.00
Russell, Euler, Mock.....	1.00	to 6.00	6.00	to 20.00	3.00	to 15.00
Hadley.....	1.00	to 6.00	6.00	to 12.00	1.00	to 10.00
Arenberg, Hoosier Beauty.....	1.00	to 6.00	.....	.....	2.00	to 10.00
Ward.....	1.00	to 6.00	3.00	to 8.00	2.00	to 6.00
Killarney, Radiance, Taft.....	1.00	to 6.00	3.00	to 6.00	2.00	to 8.00
Ophelia, Sunburst, Hillingdon.....	1.00	to 6.00	3.00	to 10.00	2.00	to 10.00
Carnations	1.00	to 2.50	2.00	to 3.00	1.00	to 3.00
Cattleyas	40.00	to 50.00	.....	75.00	25.00	to 50.00
Dendrobium formosum.....	.....	to 50.00	.....	.....	50.00	to 75.00
Lilies, Longiflorum.....	6.00	to 8.00	12.50	to 15.00	8.00	to 10.00
Lilies, Speciosum.....	6.00	to 8.00	.....	.....	3.00	to 5.00
Lily of the Valley.....	6.00	to 8.00	6.00	to 8.00	5.00	to 8.00
Snapdragon.....	3.00	to 4.00	.....	.....	2.00	to 10.00
Bouvardia.....	1.00	to 6.00	.....	.....	2.00	to 3.00
Violets.....	.35	to .50	.25	to .40	.25	to .75
Chrysanthemums.....	4.00	to 8.00	5.00	to 20.00	3.00	to 25.00
Sweet Peas.....	.50	to 1.00	.....	1.00	1.00	to 3.00
Marguerites.....	1.00	to 3.00	.....	.....	.50	to 1.00
Gardenias.....	25.00	to 35.00	.....	.....	30.00	to 35.00
Adiantum.....	1.00	to 1.25	.....	1.00	.50	to 1.00
Smilax.....	8.00	to 12.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Sprea. (100 Bchs.).....	35.00	to 50.00	25.00	to 50.00	25.00	to 50.00

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Wholesale Florists

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184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

Flower Market Reports

BOSTON Plenty of flowers but few buyers is the condition still existing here. Just a little stiffening up in the rose situation is apparent for the past two or three days but beyond this fact nothing can be detected that would indicate the proximity of Thanksgiving Day which has usually marked the recovery from the depressed values of the chrysanthemum period. This, however, may take on a different aspect on the opening days of next week and is confidently expected to transpire by some of the old heads in the wholesale business. Narcissus paper white is coming in freely and already is seen in the daily unsold stock in the market. Stevia has also arrived. Carnations are abundant and very good.

CHICAGO The market was a trifle more steady this week. Every day saw stock pretty well cleaned up with the exception of chrysanthemums, which are being hurried on by the warm sunny days. And there is no glut of these, for knowing the uselessness of letting them accumulate they have been moved at low prices. Splendid American Beauties are now in crop. Of other roses the supply is decidedly small and should there be much demand for Thanksgiving there will be some chance of last minute orders being refused. Carnations are coming on a little more freely, but there is nothing like a large quantity in the market. Sweet peas are seen now in the fancy types and sell readily. Violets are meeting with moderate demand. There are plenty of both callas and lilies. Few miscellaneous flowers are to be had. There is a good supply of green.

CINCINNATI Supply of stock is large and the demand is not strong enough to take up all the receipts. Prices, as a whole, are very reasonable. Chrysanthemums are in a large supply and pompons meet with an excellent demand. Roses of all kinds, also single violets, are plentiful. Carnations are much better than they have been. Paper white narcissus are now in. Other offerings are callas, orchids, lily of the valley and sweet peas.

CLEVELAND The flower business is keeping up but that's about all. Stock is coming in a little better, but the demand is a bit off. Violets are coming in fairly well but haven't hit their stride so far as retail demand is concerned. Carnations are coming in a little better but are far below normal and they continue at high prices. It is the belief of retailers that the public is holding back for Thanksgiving and that the market is due to improve at that time.

NEW YORK There was a little activity for a brief time on Monday morning, but the fact is that the flower trade, retail and wholesale, and the supply auxiliaries, is in a very stagnant condition. All lines are practically at a standstill this week and the continued heavy receipts of chrysanthemums of

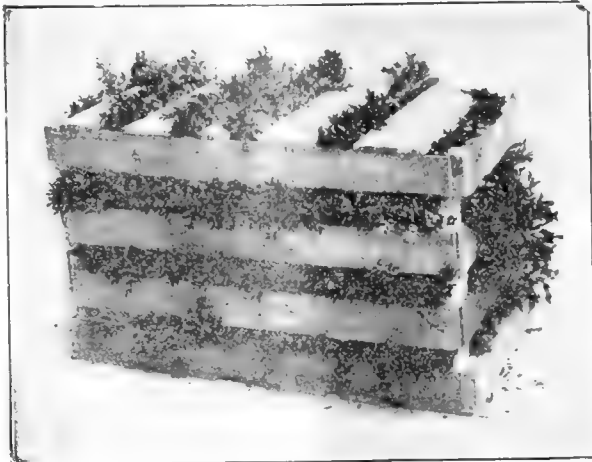
BOXWOOD

Order now, today, is not too soon, as we don't know how soon the express companies may become congested again.

Boxwood placed in water and put in a cool place will be wonderfully improved, really an advantage to have it ahead of time.

Splendid stock, no surplus wood.

\$15 per 100 lbs.



POM PONS for Thanksgiving, \$3.00, \$4.00 per doz. bunches; extra size bunches at \$5.00 per doz.

LYCOPODIUM, the best we have ever offered, \$10.00 per 100 lbs.

EVERYTHING IN FLOWERS, PLANTS, RIBBONS AND SUPPLIES.

S. S. PENNOCK COMPANY

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1608-1620 Ludlow St.
WASHINGTON, 1216 H. St., N. W.

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Franklin & St. Paul Sts.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Nov. 19		CHICAGO Nov. 19		BUFFALO Nov. 19		PITTSBURG Oct. 29	
Roses								
Am. Beauty, Special.....	30.00	to 35.00	20.00	to 30.00	25.00	to 30.00	.....	to 25.00
" " Fancy and Extra.....	25.00	to 30.00	15.00	to 20.00	20.00	to 25.00	15.00	to 20.00
" " No. 1 and culls.....	8.00	to 20.00	5.00	to 10.00	3.00	to 5.00	6.00	to 12.00
Russell, Euler, Mock.....	5.00	to 20.00	4.00	to 20.00	3.00	to 12.00	6.00	to 15.00
Hadley.....	.....	to .....	.....	to	3.00	to 10.00	.....	to
Arenberg, Hoosier Beauty.....	4.00	to 12.00	3.00	to 10.00	5.00	to 10.00	.....	to
Ward.....	4.00	to 8.00	3.00	to 10.00	3.00	to 5.00	4.00	to 10.00
Killamey, Radiance, Taft.....	4.00	to 10.00	3.00	to 10.00	2.00	to 8.00	4.00	to 10.00
Ophelia, Sunburst, Hillingdon.....	4.00	to 12.00	3.00	to 10.00	3.00	to 8.00	4.00	to 10.00
Carnations.....	3.00	to 4.00	2.00	to 4.00	2.00	to 4.00	3.00	to 4.00
Cattleyas.....	.....	to 75.00	.....	to 75.00	60.00	to 75.00	60.00	to 75.00
Dendrobium formosum.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Lilies, Longiflorum.....	.....	to 12.50	10.00	to 12.50	6.00	to 10.00	.....	to 12.00
Lilies, Speciosum.....	.....	to .....	.....	to	3.00	to 4.00	.....	to
Lily of the Valley.....	.....	to 7.00	4.00	to 6.00	6.00	to 8.00	.....	to
Snappedragon.....	.....	to .....	.....	to	3.00	to 5.00	2.00	to 4.00
Bouvardia.....	.....	to .....	.....	to	3.00	to 4.00	.....	to
Violets.....	.50	to 1.00	.75	to 1.00	.60	to .75	.50	to .75
Chrysanthemums.....	8.00	to 25.00	5.00	to 25.00	6.00	to 25.00	6.00	to 35.00
Sweet Peas.....	.....	to 1.00	.....	to 1.50	.....	to .....	.....	to
Marguerites.....	.....	to 1.00	.....	to 1.00	1.00	to 1.50	.50	to 1.00
Gardenias.....	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum.....	.....	to 1.00	.....	to 1.00	.....	to 1.00	.75	to 1.25
Smilax.....	.....	to 15.00	15.00	to 20.00	12.00	to 15.00	15.00	to 20.00
Asparagus Plu. & Spren. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	35.00	to 50.00

all classes makes the problem all the more difficult for the wholesale dealers. The modern type of single-flowered chrysanthemums are moving as well as anything else. Menza, white, Yellow Menza and Godfrey, pink, are worthily popular in the singles, while among the pompons Mary, white, Klondyke, yellow, Glorina, bronze, and Wilcox, loose petalled bronze, are among the favorites. Among the newer arrivals are paper white narcissi in quantity, Roman hyacinths just starting in, pink sweet

peas and callas. There are a few Soliel d'Or narcissi which bring good figures. Stevia is also among the new arrivals. Calendulas are abundant and good. Roses continue as last reported, very plentiful and uniformly good, and carnations continue to improve from day to day.

There is a more cheerful tone to the market this week. Business was more active than it has been for several weeks. This

(Continued on page 550)

H. BAYERSDORFER & CO.
Manufacturers and Importers

1129 Archst. PHILADELPHIA, PA.

Fall Novelties Now On Display

New Show Rooms Added

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

H. E. FROMENT

Wholesale Commission Florist
Choice Cut Flowers

New Address, 143 West 28th St., NEW YORK
Telephones: 2200, 2201, Madison Square.

WM. P. FORD

Wholesale Florist
107 W. 28th Street, NEW YORK

Telephone 5335, Farragut.
Call and inspect the Best Establishment
in the Wholesale Flower District.

JOHN YOUNG & CO.
WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited
Phone Farragut 4336

RIEDEL & MEYER, Inc.
Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

GEO. C. SIEBRECHT
WHOLESALE FLORIST
109 WEST 28th ST
CONSIGNMENTS SOLICITED

PHONE 608 / FARRAGUT 609 NEW YORK

IMMORTELLS—Fresh from France
Per doz. bunches, \$3.00; per case,
125 bunches of one color, \$28.00.
JAPANESE FIBRE ROPING—Per
ball, \$70; per case, \$60.00.
FLORISTS' SUPPLIES AND
GREENS.

THE KERVAN CO. 119 W. 28th St.
NEW YORK

WILLIAM H. KUEBLER
Brooklyn's Foremost and Best
WHOLESALE COMMISSION HOUSE
A First Class Market for all CUT FLOWERS
8 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

Established 1888 Tel. 351 Farragut

GUNTHER BROS.

Wholesale Commission Florists
110 West 28th St., New York

We Solicit Consignments of New
England Grown Novelties.

**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.

TELEPHONE 2281 / 3089 / FARRAGUT 131 West 28th St., NEW YORK CITY

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US
Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, NEW YORK

Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the

BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.

PAUL MECONI—Wholesale Florist—NEW YORK

Telephone Nos. 3804 and 8304 Madison Square

57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers

We have 22 years' experience behind us

**FANCY GRADE ORCHIDS, SEPTEMBER MORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.**

GUTTMAN & RAYNOR, Inc., Wholesale Florists

Phones: Farragut 558, 2036 and 2037

111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Nov. 17 1917		First Half of Week beginning Nov. 19 1917	
American Beauty, Special	15.00	to 20.00	15.00	to 20.00
" " Fancy and Extra.....	10.00	to 12.00	10.00	to 12.00
" " No. 1 and culls.....	1.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock	1.00	to 10.00	1.00	to 10.00
Hadley	1.00	to 12.00	1.00	to 12.00
Arenberg, Hoosier Beauty	1.00	to 4.00	1.00	to 4.00
Ward.....	.50	to 4.00	.50	to 4.00
Killarney, Radiance, Taft.....	.50	to 4.00	.50	to 4.00
Ophelia, Sunburst, Hillingdon	1.00	to 8.00	1.00	to 6.00
Key	1.00	to 10.00	1.00	to 10.00
Carnations	1.00	to 1.00	1.00	to 9.00

GROWERS' CUT FLOWER COMPANY
WHOLESALE FLORISTS

129 West 28th Street

Tel. 6237 / 3563 Farragut

E. J. VAN REYPER, Mgr.

WALTER F. SHERIDAN

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

Frank H. Traendly

Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797, 798, 799 Farragut

Consignments Solicited

JOSEPH S. FENRICH

WHOLESALE FLORIST

LILIES EVERY DAY

51 W. 28th Street, New York

Telephones, 420-421-422 Mad. Sq.

HERMAN WEISS

WHOLESALE FLORIST

Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

130 West 28th Street, Tel. Farragut 684,

NEW YORK.

CHARLES E. MEEHAN*Wholesale Cut Flowers
Plants, Greens, etc.***5 So. Mole St., PHILADELPHIA, PA.****SINGLE VIOLETS WANTED**

Violets and novelties are my Hobby. Con-
sign your flowers to me. I can sell them to
your satisfaction.

**CLARENCE SLINN, 112 W. 28 St.
NEW YORK****Flower Market Reports***(Continued from page 557)*

is especially true of the moderate
priced stocks which are always in de-
mand by people of modest means. The
millionaires who buy the highest
grades are still holding off, and this
of course affects all prices; so while
the demand is good, prices remain at
a low level. American Beauty roses
are especially affected by these con-
ditions. Russells and others which
are not quite so much the rich man's
flower, go a little better. Carnations
are selling well, especially the bright
deep pinks. The blush varieties do
not go so freely. Cattleyas, vandas,
oncidiums and cypripediums are in
fair supply, but dendrobiums are rath-
er scarce. Lilies go fairly well but
there is no big supply. Lily of the
valley rather jumpy on account of the
price; when buyers want it they want
it, but they do not stock up as they
used to under normal conditions. Vio-
lets are very good and selling better
than they did last year. Of course the
Autumn Queen is reigning in full
splendor and leads the procession; so,
as in the lady's postscript, we have to
mention her last.

PITTSBURGH In the words of a
wholesale man,
"the poor and the
dead are our best patrons these war
times when the debutantes and other
inspirations for entertaining socially
are eliminated." Notwithstanding this,
business continues fairly good. Chrys-
anthemums are now at their height.
The season is remarkably devoid of
inferior grades. There is a slightly
marked glut on the market of the
better grades of roses.

ROCHESTER Business has been
only fair. Chrysan-
themums are very
numerous and prices low. The supply
of roses is good but the demand is
light. They include very fine Ophelia,
Ward, Sunburst, Scott Key and Sep-
tember Morn. Carnations are becom-
ing more plentiful and sell well. Pom-
pons, violets and miscellaneous stock
move good. Lilies are not selling over
fast. The lack of corsage work is par-
ticularly noticed at this time.

ST. LOUIS The market is well
supplied with all va-
rieties of flowers and
demand has been fairly good. Every-
thing has been pretty well cleaned up
at moderate prices. Violets are in-
creasing but sales are slow. Supply
in sweet peas, short pompons and all
varieties of chrysanthemums selling
at reasonable prices.

IF you want anything from Boston get
it from **Henry M. Robinson & Co.**

We are on the job at all hours of the day, from 6 A. M. to 7 P. M.

We carry the largest line of Supplies in New England and also the best flow-
ers from over one hundred of the leading growers in New England. You can al-
ways Depend for SERVICE, PRICE AND QUALITY.

For Safety Place Your Orders With Us

HENRY M. ROBINSON & CO.**2 Winthrop Square and 32 Otis Street, BOSTON, MASS.****J. K. ALLEN****SERVING THE TRADE AS WHOLESALE COMMISSION FLORIST FOR OVER
THIRTY YEARS.**

I have room now for a few more regular shippers of good flowers. I have a steady
market for all varieties. Make a start now for the coming season.

118 West 28th St. NEW YORK **TELEPHONES**
Farragut 167 and 3058**NEW YORK QUOTATIONS PER 100. To Dealers Only**

MISCELLANEOUS	Last Half of Week ending Nov. 17 1917		First Half of Week beginning Nov. 19 1917	
Cattleyas.....	15.00	to 35.00	15.00	to 35.00
Dendrobium formosum.....	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum.....	4.00	to 6.00	4.00	to 8.00
Lilies, Speciosum.....	2.00	to 3.00	2.00	to 3.00
Lily of the Valley.....	3.00	to 8.00	3.00	to 8.00
Snape dragon.....	1.00	to 4.00	1.00	to 5.00
Bouvardia.....	1.00	to 3.00	1.00	to 3.00
Violets.....	.25	to .40	.25	to .40
Chrysanthemums.....	2.00	to 20.00	2.00	to 30.00
Sweet Peas.....	.....	to .....	.....	to
Marguerites.....	1.00	to 2.00	1.00	to 2.00
Gardenias.....	20.00	to 30.00	20.00	to 30.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, & Spren (100 bunches).....	15.00	to 25.00	15.00	to 25.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand ex-
ceeds our supply. This is especially true of Roses. We have every facility and
abundant means and best returns are assured for stock consigned to us.

Address Your Shipments to

UNITED CUT FLOWER CO. Inc.**111 W. 28th St., NEW YORK****D. J. Pappas, Pres.****CONVENTION VISITORS WELCOME****J. J. COAN, Inc.****HIGH CLASS FLOWERS.****ALL THE STANDARD STOCK.****THE PRODUCT OF THE LEADING GROWERS.****NOVELTIES AND UNUSUAL VARIETIES A SPECIALTY.**

Consignors of Good Stock for the New York Market Please Call or Write

115 W. 28th Street NEW YORK **TELEPHONES**
Farragut 5413 or 5891**N. Y. FLORISTS' SUPPLY
COMPANY, Inc.****103 W. 28th Street, NEW YORK****EVERYTHING FOR THE FLORIST****REED & KELLER****122 West 25th St., New York****Florists' Supplies**

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

FLOWER GROWERS

I have a good wholesale market for Pan-
sies, Violets, Carnations and all other stock
of quality.

Regular Shipments Solicited

B. S. SLINN, Jr.**55 and 57 W. 26th Street, NEW YORK****Beechwood Heights Nurseries**
Importers and Growers of**ORCHIDS**

Out Flowers of All the Leading Varieties
in their Season.

THOMAS YOUNG, Jr., Proprietor
BOUND BROOK, N. J.

LOCAL AND GENERAL NEWS

NEW YORK.

Wm. Bogart, flower buyer for Peter L. Bogart is laid up with a severe case of erysipelas.

Local plant growers are disturbed over the announcement that the price of flower pots is to be advanced in January.

A. Kottmiller has opened a branch store in the Ritz-Carlton hotel at the stand formerly conducted by The Rosary.

Chris. Reuter of New Orleans, declared to be "the most congenial young seedsman of the South," was in New York this week.

John I. Raynor is at the Polyclinic Hospital, 50th street and Eighth avenue, after a delicate operation from which he is satisfactorily recovering.

We wish to correct an error which crept into our report of the N. Y. Florists' Club meeting, in which it was stated that Glenview chrysanthemums by Howard Nichols of Yonkers scored 87 points. This should have been Glenview *carnation*, which is a handsome white sport from Enchantress Supreme.

The "Ladies' Night" of the New York Florists' Club at the McAlpin on Saturday evening, Nov. 17, was a brilliant good time enjoyed to the limit by the two hundred (approximate) members and ladies who were there. Music and dancing and refreshments constituted the program. P. F. Kessler again demonstrated his rare administrative abilities as a manager and purveyor for affairs of this kind. Everything moved like clockwork.

PITTSBURGH.

Harry Gibson, manager, and Harry B. Ackermann, of the Ziegler Co., left last Saturday for a ten days' eastern trip.

John Jedlica, of Randolph & McClements, has returned from his annual hunting trip through western Penn.

Abram Kleinberg has been spending the past fortnight in New York and purchasing stock for M. Kronis. The latter has engaged Joseph Seamon of Clarksburg for his Alpha Flower Shop.

It is with regret that we chronicle the critical illness of Miss Eliza McKinley who recently resigned her position as head saleswoman with Randolph & McClements. Miss McKinley has the heartfelt sympathy of her many friends and acquaintances.

At the meeting here of the foresters of the U. S. and Canada last week a resolution was adopted urging Congress to enact a law prohibiting the importation of all plants and seeds except those brought into the country by the U. S. Department of Agriculture. There was general discussion of the methods to be used to combat the white pine blister rust, also the Hessian fly and the codling moth.

CHICAGO.

At Kroeschell Brothers it is stated that the boiler business is lively. As Manager Lautenschlager puts it, there never was a time when flowers were more needed than now, so why should there not be a demand for the boilers that are needed to grow them.

Zech & Mann this week received the first orchid flowering sweet peas of the Christmas stock. They were extremely fragrant and were large for the first cuts. Lilies are coming now in quantity. Mr. Zech says of all the chrysanthemums handled this season, Golden Queen has been one of the most successful.

A carload of California stock, including azaleas, rhododendrons, ericas, boxwood, etc., from the Cottage Gardens' Nurseries, was received by local growers this week and another carload is on the way. This will afford an opportunity to prove the success or otherwise of material grown on the Pacific slope. The stock looked fine and apparently is in the best of condition. The boxwoods, as seen in the windows of the downtown stores, are clean looking plants but smaller at the base than the imported plants.

Experiments in bulb growing have been tried now for two years on the Northwest side, which means the expenditure of both money and effort. So far all is well and there is reason to expect success in the undertaking. Peter Pearson, who has a comparatively small place, seven years ago became interested in bulbs which he was growing for the blooms and began the study of their culture with the object of raising the bulbs. He followed it up and this week he has 200,000 tulip and narcissus bulbs in the ground, most of which were grown by him last year. So far his bulbs have proven of better substance than imported stock and bloom earlier than those brought from across the water.

At the meeting of the Illinois State Federation of Women's Clubs, held here last week, Jens Jensen, landscape artist, spoke on Tuesday on the Lincoln Highway. He said a formal decoration of the borders of that highway was not what he would recommend. He suggested that the ideal way would be to follow the leadings of nature and where the highway crossed a prairie state the plantings should be those that would tend to lead us back to the beauty of the plains. He suggested also that we might be paying too much attention to the Rocky Mountain Parks and neglecting that shrine of the outdoors of the middle west, the dunes of Indiana.

ADVERTISERS AND CORRESPONDENTS

Please take notice that on account of Thanksgiving Day "Horticulture" will go to press next week one day earlier than customary.

BOSTON.

John J. Cassidy, the Beacon street florist, has filed his papers for certification as a candidate for the City Council in the approaching municipal election.

It has been decided by the trustees of the Massachusetts Horticultural Society to cut the customary appropriation of \$6,000 for prizes to \$4,000 for the year 1918, owing to war exigencies.

A number of interested florists met at the office of Patrick Welch on Wednesday of this week to consider the important questions of coal supply and S. A. F. Flower Publicity fund. There was a general interchange of views on the course to be pursued to make sure that the New England greenhouse people are not deprived of a supply of coal sufficient to keep their places in operation through the coming winter. It is possible that a delegation may go to Washington later on but no action to that end is deemed advisable at the present juncture.

ROCHESTER, N. Y.

Geo. T. Boucher has a very attractive booklet which he is sending to his patrons.

The Lady Florists' Auxiliary met on Tuesday at the Red Cross house to work on towels, etc.

Miss Ethel Foster of Geo. B. Hart's has announced her marriage last June to Warren De Clynne.

Thomas Sullivan of Geo. B. Hart's has been drafted and will leave for Camp Dix next week.

Watson Brown has severed his connection with the E. C. Kaelber Co., Inc., and Arthur Colbert, formerly with J. B. Keller Sons, has taken his place. E. C. Kaelber of the above firm has been confined to his home for a week with a nervous breakdown.

At the meeting of the Rochester Florists' Association, Nov. 12, Harry E. Bates gave an address on The National Publicity Campaign for Florists. The members voted to raise \$5,000 of the fifty thousand which is hoped to be raised in the U. S. Ambrose Secker, George Cramer and Harry Bates attended the banquet of the N. Y. State Federation at Buffalo.

The motorcycle of Geo. F. Demuth was stolen from his home on Oct. 21. It is a Henderson motorcycle, engine No. 7235, Rodgers side car attached, license No. 16,490, valued at \$460. A reward of \$25.00 has been offered. No trace of it has yet been found.

Mrs. Alma Keyes has taken over the flower shop formerly the Boston Flower Shop, on Central Ave., opposite the N. Y. Central, now called The Alma Flower Shop.

Cincinnati.—G. E. Michley is back with the Hill Co. He said "it's getting back home."

CLEVELAND.

Leonard Utzinger, Jr., 900 Lakeview Road, has been laid up for a week, ill.

Flower stands in the new East Side markets are doing well according to reports of wholesalers.

L. Fleishman, who purchased the equipment of the T. J. Kegg Co., is selling it piecemeal to the trade in Cleveland. The ice box has been purchased by Paul C. Hahn.

The strike of operatives on the Northern Ohio Traction line is affecting the flower trade in several ways. Flower stands in the downtown section notice a falling off of downstate customers who buy flowers to take home.

Jack Fratus, of the Park Flower Shop, Peter Nichols of the Arcade Shop, and George Nielssen donned their hunting costumes one day last week and went out and bagged 18 rabbits. News of their success spread rapidly and another party was arranged for Tuesday, November 20. This party included A. P. Barber, George Bate, Gene Cox, Fred Nelson and Jack Fratus.

ST. LOUIS.

Wm. C. Smith has been presented with an owl by his friends.

F. C. Weber had a specially fine dressed window during the past week.

The monthly meetings of the Florists' Club will be held in turn at the different wholesale houses.

The local office of the National Flower Show has had lots of business to attend to, keeping the typist busy.

Arthur Wors, son of C. W. Wors, was home on a short furlough prior to going "over the pond." He joined the Canadian army.

PHILADELPHIA.

Edward Towill is very enthusiastic about the way his new rose Mrs. E. T. Stotesburg is showing up. All the experts who call to see it are willing to give in, and place an order. The Pennock Co. are the distributing agents. There is money in it for the grower. The last time we called to look his houses over (Nov. 15) we were more convinced than ever.

NEW YORK AND NEW JERSEY ASSOCIATION OF PLANT GROWERS.

On Wednesday, November 21, 1917, the members of the New York and New Jersey Association of Plant Growers and their friends visited the establishment of A. N. Pierson, Inc., at Cromwell, Conn. The party left the Grand Central Station on the 8 a. m. train for Berlin Junction and Middletown, where the Pierson Company's automobiles met them. Lunch was served at the new Pierson boarding house. On returning, autos conveyed the party over the mountain to Meriden in time to board the 5.21 train, arriving in New York at 8.10 p. m. It was a most enjoyable time for all and a very instructive and interesting visit for anyone interested in advanced floriculture.

CLASSIFIED DIRECTORY

Advertisements in this Department, Ten Cents a Line, Net

BULBS

SPECIAL SALE.

Paper Whites, \$1.50 per 100; \$12.00 per 1000. Bedding Hyacinths, any color, twelve varieties, \$1.50 per 100.

THOMAS COGGER, Melrose, Mass.

C. KEUR & SONS, HILLEGOM, Holland. Bulbs of all descriptions. Write for prices. NEW YORK BRANCH, 8-10 Bridge St.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post-paid. I. L. PILLSBURY, Galesburg, Ill.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell. Stock For Sale.

JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Paeony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DAISIES

Daisies (Bellis) Monstrosa, white and pink, also Longfellow and Snowball. Thinly sown field-grown seedlings, \$2.50 per 1000, \$11.50 per 5000, cash.

BRILL CELERY GARDENS, Kalamazoo, Mich.

MISCELLANEOUS STOCKS

Aspidistras, green and variegated, from 6 in. to 10 in. pots. Adiantum Cuneatum from bench, large clumps. Vinca variegata, heavy field plants. Write for prices.

WILLIAM CAPSTICK, Auburndale, Mass.

VISITORS' REGISTER.

New York—E. J. Fancourt, repr. S. S. Pennock Co., Phila., Pa.

Rochester, N. Y.—Valentine Gatz, Albion, N. Y.; T. M. Mullarky, N. Y. City.

Pittsburgh—Max Schrieber, MacDonald, Pa.; Mrs. Charles Dunn, Victor Flower Shop, McKeesport, Pa.

Cincinnati—C. Falkenheim, of the Basket Novelty Co., New York; S. J. Hider, Hillsboro, O., and Mrs. R. Burt, Washington C. H., Ohio.

Boston—David A. Dean, repr. A. T. Boddington Co., New York; Walter Mott, repr. Benj. Hammond, Beacon, N. Y.; Mr. Lacava, repr. Cromwell Gardens, Cromwell, Conn.

Philadelphia—Carl Cropp, Chicago; Alexander Forbes, Newark, N. J.; J. B. Deamud, Vaughan's Seed Store, New York City; Prof. E. A. White, Ithaca, N. Y.; Henry Hart, New York; T. T. Bolger, Charleston, S. C.

Chicago—Otto Schroeder, Green Bay, Wis.; J. J. Karins, of H. A. Dreer, Phila.; Chas. P. Mueller, Wichita, Kas.; Matt. Ullenbruch, Port Huron, Mich.; S. Leonard, with the Kentucky Tobacco Products Co., Louisville, Ky.

NEW CORPORATIONS.

Notice is given of the proposed incorporation of the W. Atlee Burpee Company of Philadelphia by Blanche S. Burpee, David Burpee, W. Atlee

GLASS

Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

NURSERY STOCK

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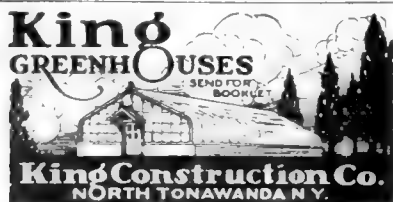
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not taken some action in regard to the coal
situation, they, to my mind, should do so
at once. We may save the trade from bank-
ruptcy if the matter is put properly before
the government. Our coal requirements are
different from the other industries, inas-
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a short time and start again without losing
much more than the profit of the period
shut down while the greenhouse men would
be totally and permanently ruined if com-
pelled to do without coal one hour in zero
weather. We are not asking that we be
allowed to make a profit, all we ask is
that we be allowed to pull through with a
bare living and for the government not to
condemne our property, which with holding
coal from us really would mean. At least,
if it becomes necessary to do this, there
should be reasonable compensation for the
loss, as it would be manifestly unfair and
undemocratic that a few industries should
bear the burden, while others are piling up
the profits made possible by the same con-
dition.

I suggest that either the Board of Direc-
tors present the matter to the government,
or that a committee of five be appointed and
that it be done at once.

Yours truly,

(Signed) A. Rasmussen

New Albany, Ind.
Nov. 12, 1917

The foregoing copy of letter from
Mr. Rasmussen is self explanatory,
and he has given his consent to its
publication.

I will be pleased to receive commu-
nications from florists who will be
affected, and those who have sugges-
tions to make along this line. It seems
to be a rather serious matter, especi-
ally among the small florists who have
not their coal. Therefore, a general
expression on this subject is asked for
at this time.

I am in communication with our
Washington representative, Mr. Gude,
and we will soon be advised as to what
can be done.

R. C. KERR, President.

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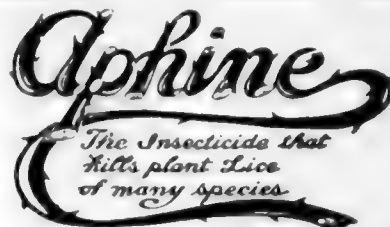
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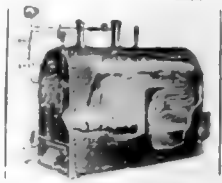


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from the firms whose seasonable advertisements appear in this paper. They take the initiative and it is now "up to you" to make the next move in the process which is to make livelier business and better times for us all.

BUY NOW

LILY BULBS

FALL SHIPMENT

Giganteum, Formosum, Rubrum,
Multiflorum, Magnificum, Auratum,
Album, Melpomene, Etc.

Shipments distributed from New York,
Chicago, Philadelphia, Denver, London
(Ont).

Write for IMPORT prices, stating quan-
tity, variety and size.

McHUTCHISON & CO., The Import
House
95 CHAMBERS ST., NEW YORK

BEGONIAS

FOR THANKSGIVING TRADE

Lorraine, Turnford Hall, Lonsdale, Flor-
ence Davenport, 4 inch, 35c. each; 5 inch,
50c. each; 6 inch, 75c. and \$1.00 each; 7
inch pans, \$1.00 and \$1.50.

Especially Nice Begonia MRS. J. A. PETERSON

5 inch, 75c. each; 6 inch, \$1.00 each; 7 inch,
\$1.50 each.

A. M. DAVENPORT, Watertown, Mass.

**Iris, Liliums, Lycoris,
ETC.**

For Fall Delivery

JOHN LEWIS CHILDS, Inc.

We are booking orders rapidly for the two sensational

ROSE NOVELTIES FOR 1918

Columbia and Ophelia Supreme

It is definitely known that there will be a shortage of
Manetti so it will be a case of "first come—first served," on
grafted stock.

Grafted, \$35 per 100. Own Root, \$30 per 100

CHARLES H. TOTTY,

MADISON,

NEW JERSEY

Primula Malacoides Townsendii

PLEASING LILAC ROSE

A Revolution in the Baby Type

First-class certificates of merit awarded
by New York Florists' Club, Nassau Coun-
ty Horticultural Society and Oyster Bay
Horticultural Society.

Out of 2-inch pots, \$1.50 per doz., \$10.00 per
100; 3-inch pots, \$2.00 per doz., \$15.00 per
100.

Individual flowers as large as a 25c.-piece.

A. L. MILLER

JAMAICA,

NEW YORK

When writing to advertisers kindly
mention **HORTICULTURE**.

ORCHIDS

We grow and sell nothing but ORCHIDS.
If you are in the market for this class of
plants we respectfully solicit your inquiries
and orders. Special lists on application.

LAGER & HURRELL, Summit, N. J.

Specialists in Specimen Stock for Landscape Work

Many Rhododendrons, Azaleas, Boxwoods,
Hollies and a Complete Line of Coniferous
Evergreens.

WRITE FOR PRICES

Cottage Gardens Nurseries, Inc.
EUREKA : : : CALIFORNIA

PROFITABLE PUBLICITY

You can sell Holiday Plants, Flowers and Supplies to the
Best Trade in the Country by Advertising in the **NEXT
TWO ISSUES** of **Horticulture**, Dec. 8 and Dec. 15.

Horticulture's Readers Comprise The Cream of the Trade

Tell them what you have to sell and get your share of
their business.

Copy for these two trade boomers should reach this office
by Dec. 4 and Dec. 11 respectively; earlier if possible.

PUSH IT ALONG

THREE PROMISING NEW ROSES

ROSALIND.

Rosalind was displayed at the International Flower Show in New York last March, when it was awarded first prize for "best new rose," also a silver medal for the display. This fall it was awarded a silver medal at the Flower Show of the Horticultural Society of New York; also a silver medal by the Tarrytown Horticultural Society at its show.

Rosalind is a sport of Ophelia, and is so much darker than that popular variety that it is quite distinct. In the bud it is pure coral; half open it is exquisite apricot-pink; and when fully open, clear shell-pink. All who have

seen it have pronounced it the ideal shade of pink. It has, also, at least one-third more petals than Ophelia, making it that much more desirable. In other respects it is the same as Ophelia, is easily grown, free and has ideal foliage.

SILVIA (See Cover Illustration)

Silvia (Yellow Ophelia) is also a sport of Ophelia. It is a remarkably strong grower, with larger foliage than that of Ophelia. The buds are long and pointed, and a beautiful sulphur-yellow, changing to creamy yellow as they open. When fully open the flower resembles a magnified Silver Moon. Rosalind and Silvia are being disseminated by F. R. Pierson.

MRS. E. T. STOTESBURY.

This new seedling rose is now in its fourth year with its raiser Edward Towill and has held good to its early promise. The parentage—Maryland × Joseph Hill × Milady—shows it to be of noble blood. When full open the flowers are silvery pink deepening towards the center. In the bud stage they are bright deep pink. In size they are almost as large as Mrs. Russell and very refined and lovely in form. As a producer it is said to beat Maryland or Killarney as it does not have to be pinched to get marketable flowers. It is being introduced by S. S. Pennock Co.

"OVER IN JERSEY"

It is many years since Hudson and Bergen counties in New Jersey, just across the North River from New York, came into repute as the home of many plant growers for the florist trade of the metropolis. Union Hill, North Bergen, New Durham, West Hoboken, Weehawken, etc., etc., all are studded with greenhouse establishments, none of them very large but most of them prosperous. A ring-leader in the colony is J. H. Fiesser, now president of the N. Y. and N. J. Plant Growers' Association. Mr. Fiesser has five big houses of cyclamen, which are his "hobby," and better grown plants can hardly be imagined. *Primula Townsendi*, disseminated by A. L. Miller this season, is here seen in admirable shape. The foliage is prettily arranged, making a perfect rosette, second in attractiveness only to the flowers. Six thousand ramblers are in preparation for Easter forcing. *Dracaenas* are a leading feature and Mr. Fiesser has the knack of getting the maximum of color all right into his terminalis. Lord Wolesley, he says, however, is now much more in demand than the old terminalis. *Dracaena braziliensis* has gone into the discard as unsalable. *Massangeana* is at the top of the column in its class and he has a magnificent stock of this grand *dracaena*. There are lots of Christmas plants here that will make the absence of azaleas unlamented—Birdseye peppers, Jerusalem cherries, poinsettias, table ferns and last, but not least, the latest novelty in its class—the "Liberty" fern. Mr. Fiesser added an adjoining property to his estate last season and plans to add two more houses to his range in the near future. The location is very slightly, overlooking the Hackensack meadows, Rutherford, Passaic and neighboring communities.

H. C. Steinhoff is one of the "old settlers." Lilies are, as heretofore, a

leading specialty here, but one lot of these bulbs received this year looks like a very "raw deal," coming "blind" and consequently valueless. There is a fine house of poinsettias, also one of bouvardia, a flower which at present appears to be regaining some of its former popularity in the N. Y. cut flower market. Another *Nephrolepis* sport has appeared here, a pretty form of Teddy, Jr. Mr. Steinhoff has a 100-acre nursery at Harrington Park and that promises to soon be the big end of his business.

Herman Schoelzel shows with confidence pride a lot of more than 3,000 azaleas left over from last year, which promises fine for the coming Easter. They certainly are a valuable possession and there are some Mme. Petrick that will be in for Christmas. Here also is a big stock of all the popular *dracaenas*, Lorraine begonias, poinsettias, young palms, Boston and Scotti ferns. These two last named are, in Mr. Schoelzel's opinion, the best all-around ferns in their now numerous class. He has more Scotti, we would say, than Scott himself.

H. Baumann confines his business to ferns exclusively, and their culture is carried on in a systematic and thorough manner, the results of which are distinctly in evidence in the cleanliness and order maintained in every stage, from the spore pans to the marketing size plants, of which the annual output is upwards of 100,000. A very pretty thing among the table ferns is *Pteris Wimsettii* Distinction, an improved form of *Wimsettii* introduced from England about three years ago. P. Wilsoni is Mr. Baumann's especial favorite, however. It is somewhat slow, but well worth waiting for. Another new and very desirable thing is *Cyrtomium Rochfordianum* compacta. Made-up pans of C. *Rochfordianum* and *Nephrolepis Bostoniensis* with asparagus are a favorite combination here and

they meet with much favor from the buying public.

Henry Schmidt, whose place we described last summer, still pins his faith to the primulas and other specialties mentioned at that time. His strain of *P. obconica* is undoubtedly unexcelled anywhere, but the place is half-denuded owing to the drain caused by the shipping demand which has followed Mr. Schmidt's advertising of his obconicas with flowers the size of a silver dollar, in HORTICULTURE.

Over in Weehawken is Fritz Dressel's old-time plant-growing establishment. It is now devoted almost exclusively to ferns. The sensational item at present is Mr. Dressel's new *Nephrolepis* break which he has named "President Wilson" and which will be put on the market the coming season.

Adjoining Mr. Fiesser's place is the rose growing establishment of Williamson Bros. There are four houses, unique in the fact that no rose has ever been grown in them except Bride and Bridesmaid until this season when a single bench of Ophelia was risked and with such results that the long-cherished Bride and 'Maid are at last doomed to oblivion after this year.—*Sic passim.*

The annual chrysanthemum show of the R. I. Horticultural Society was held on November 15 and 16 at the Narragansett Hotel, Providence. The classes were well filled and competition as to quality very close. Among the prominent trade prize winners were Burke & Burns, T. J. Johnston & Co., Warwick Neck Greenhouses, Quidnick Greenhouses, Fred. C. Hoffman, John A. Macrae, Michele Iannotti, M. K. Leach & Sons, Maplehurst Greenhouses, Hampden Meadow Greenhouses, William Appleton and Wanskuck Greenhouses. There was a good showing of vegetables and fruit.

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Practical patriotism

There are many florists' clubs and other gardeners' and florists' organizations, the officers and members of which should peruse carefully the account of the splendid patriotic effort of the Chicago Florists' Club for the Y. M. C. A. War Fund, as given in this issue of *HORTICULTURE*. The example which the Chicago florists have set is an object lesson for the entire country and should bring home to some of the lagging ones an impressive reminder of their duty at this time. It beats flag waving and singing "America" all to a frazzle.

Be a unit

"The war," said Lloyd George, the British prime minister, in a recent speech, "has been prolonged by particularism. It will be shortened by solidarity." That is his own way of saying that it will take a united front to win; that every man, every woman, must put his or her soul into the war. This self-evident truth in connection with the world conflict applies with like import to the perplexing problems which now or later on surely will confront the florist, seedsman and nurseryman, in consequence of the vast economic changes which impend as a result of the upheaval. Only by a "solidarity" in which all elements are welded and immediate individual self-interests are laid aside can the common welfare be adequately conserved and protected. Other large interests, from the national entity down through the various employments which men follow, are all coming to the realization that

"particularism" in any great undertaking is henceforth the sign of weakness and defenceless inferiority. Let no man horticulturally employed today withhold his fealty and support from the institutions and organizations upon whose representative character and efficiency so much will depend. Get together. Be a unit.

About greenhouse coal

We have heard of two greenhouse concerns in New England—one in Bedford, Mass., the other in Anthony, R. I., whose shipments of coal on cars en route are said to have been taken by the government authorities. As a rule, growers seem to have been able thus far to get coal as needed although some of them have run dangerously close to the empty bin and all are more or less concerned as to what may be their lot after present supplies have been exhausted. The project of having a delegation go to Washington to present the necessities of the craft to the federal authorities has received little encouragement from those who are most familiar with the situation and outlook and there appears to be no better course now than to hope and trust in the word that comes from Washington that much of the newspaper talk of proposed drastic action by the authorities is without official foundation. The horticultural industries are very fortunate in having at Washington, through the S. A. F., a man of the calibre and influence of William F. Gude, who is industriously and faithfully looking after their interests with an effectiveness and grasp which probably no other individual would or could exercise. The best course is to "possess our souls in patience," with the conviction that Mr. Gude is doing all that can be done and that any unfavorable turn in the situation will not escape his immediate attention.

Where theory falls

The expected has happened and up, up, go the market values of flowers for Thanksgiving Day. The rose crop has passed its zenith for the time being, the chrysanthemum flood is now rapidly subsiding and as a coincident the first cold wave worthy of the name comes on, four days before the Thanksgiving holiday, just as if it had been all purposely arranged by an omnipotent power for the express purpose of making flowers scarce and sending prices sky-high. Those who had flowers to cut at this juncture no doubt feel jubilant over this turn of affairs and coal bills will look less formidable in the light of the market returns to the grower, showing selling values doubled, trebled and in some instances even quadrupled, and all within a period of forty-eight hours. One cannot blame them for rejoicing, after the weeks of disheartening depression through which we have just passed. Yet there can be no question but that the situation as it has developed is fraught with danger for the florist and is liable to be made use of by detractors, to the serious impairment of his standing with the public. No business can afford to have the public in a resentful attitude but that is the logical outcome of abnormally high prices, especially when they materialize suddenly and just before a holiday. What the florist business needs to make it remunerative and prosperous is not so much higher prices as to enjoy a continuous clean-up. It is the surpluses that are entirely lost or sold for a song that cut the earnings. A reasonable average market value without spasmodic fluctuations would be the ideal condition, the attainment of which is a nut that no one who reads these lines will expect to live to see cracked. Theory and philosophy have their uses but there are some things that no philosophy can lift and the convulsive inequalities of supply and demand in the flower trade is one of them.

**Y. M. C. A. WAR FUND FLOWER
SALE, ART INSTITUTE,
CHICAGO.**

The flower sale for the Y. M. C. A. War Fund held under the auspices of the Chicago Florists' Club was a grand success both financially and socially, as well as from the stand point of attendance. This event, a floral bazaar, took place at the Art Institute, Friday, November 23rd, from 11.00 a. m. to 5.00 p. m. All flowers and plants including accessories, twine, paper, etc., were donated by the florists of Chicago.

The weather was cold and windy, with snow flurries blowing the most of the day, and consequently it was not inviting for any one to stroll along Michigan Boulevard, nevertheless 6342 people attended this fair with hearts warmly beating for the country's cause, where society matrons, debutantes and Chicago's leaders florally were busily engaged with the arrangement and selling of flowers. Boutonnieres and corsages were in great demand, and many more could have been sold.

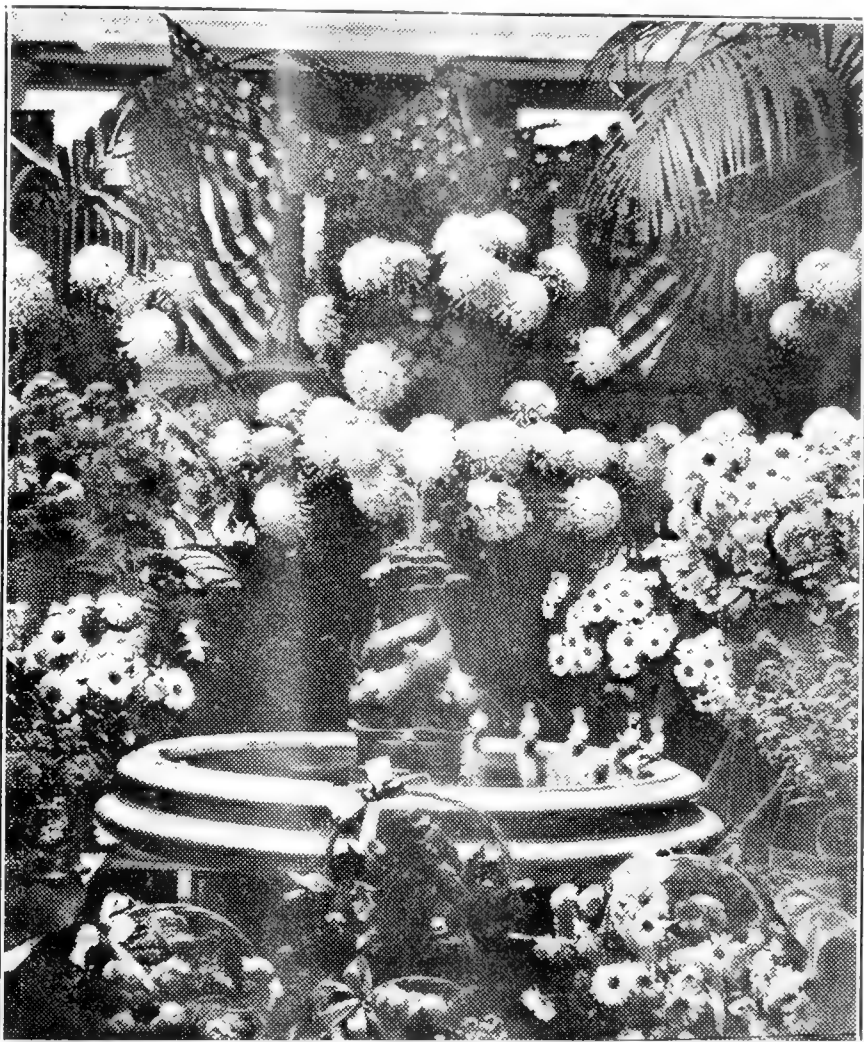
The exhibit and bazaar was held in two large sculpture rooms of the Art Institute, and same was arranged as twenty large tables filled with cut flowers, plants, corsages, boutonnieres, and other floral arrangements. Two society ladies and one member of the Women's Y. M. C. A. Committee with the assistance of one retail florist were in charge of each table, and these were ably assisted by nearly 50 ladies who acted as flower girls. One special table was in charge of the opera stars under the direction of Mme. Campanini.

Nearly \$3,000 was taken in at the floral bazaar and the entire proceeds were turned over to the Y. M. C. A. War Fund. The committee of florists in charge of this affair worked heroically, and much credit is due them for the results accomplished.

There were only four days in which to make all arrangements in securing the hall, the flowers and publicity. Three large billboards, 15 feet wide by 25 feet high, were erected in front of the Art Institute, and large signs were placed on the Peoples Gas Building and the Pullman Building. One thousand posters were distributed amongst the retail flower stores, and along Michigan Boulevard.

The newspapers were very liberal in giving publicity to this affair, and prominent notices appeared in the Society columns—photographs of society girls selling flowers were also shown, as well as a photograph of Miss Gertrude Amling showing the new pink rose Columbia. The new red rose, Mrs. Henry Winnett, was also shown. 5,000 announcements were used for inserts in theater programs. In addition to the above a number of display ads. appeared in the various daily papers. Marshall Field & Co. and Carson Piere Scott Co. both announced the Chicago Florists' Club

PENN'S AUTUMN EXHIBITION.



Boston had no chrysanthemum show as such this year the Massachusetts Horticultural Society having substituted a big vegetable and fruit show. Henry Penn did what he could to make up the deficiency by advertising a chrysanthemum show for the public at his store lasting for several days and the public responded, flocking by hundreds to the "Penn the Florist" store. And the show was very much of a credit, so much so that the staid conservative Boston Transcript de-

voted a good big section of its issue to a picture and detailed description of the display. To the Transcript HORTICULTURE is indebted for the use of the cut accompanying these notes. The arrangement was brilliant and tasteful with colors well massed and dainty touches a-plenty in baskets and vases of blooms. Varieties to the number of 45, from the most diminutive pompon to the huge Turner, were shown under name. Mr. Penn is pleased over the result of the effort.

Y. M. C. A. War Fund Sale in connection with their large advertisements. Fleischman inserted an advertisement of about 100 lines as follows:

WE CORDIALLY INVITE
our patrons and friends to visit the
Flower Show and Sale
at the
ART INSTITUTE
To-day—Friday.
Everything donated by the Florists
of Chicago and the ENTIRE
proceeds go to the
Y. M. C. A.
WAR FUND.

A complete and systematic delivery system was in operation under the guidance and direction of Mr. Herman Schiller, and practically every flower

was delivered by 6.00 p. m. on Friday without a single complaint. A cash register was installed for each and every table, and therefore it was a very simple matter to determine the proceeds of this sale immediately upon the close of same. The funds were immediately taken in charge by the Y. M. C. A. representatives.

Every plant—every flower—everything was sold. The plants and flowers left on hand at 4.30 p. m. were sold at auction by a society auctioneer, and the balance of the stock still on hand was quickly and profitably disposed of. The largest sale of the day was the vase of Columbia roses sent for this occasion by the E. G. Hill Co., which was sold at \$100. The next largest sale was a fruit and flower table ar-

arrangement by Gay Wienhoeber, which was sold at \$6.00.

The U. S. Naval Band of the Great Lakes Naval Training Station was engaged to furnish music for the day, and a number of prominent retail florists subscribed to defray traveling and hotel expenses of this band while in the city. A large bandbox was designed and erected to receive subscriptions for flowers left unsold. This exhibit was beautifully arranged by L. Bohannon and same was in charge of L. R. Bohannon, Jr., who was dressed as a miniature Uncle Sam. The proceeds from this booth amounted to \$92.50.

After the close of the Show, the U. S. Naval Band was escorted to the La Salle Hotel for dinner; and upon arrival at the hotel, it was arranged for the band to play a number of patriotic airs, and during this performance the Florists' Club arranged for a small flower sale. A special committee was appointed as follows: Herman Schiller, Wm. Wienhoeber, Edward O'Neill, A. G. Chronis, Wm. Kidwell, Mrs. Mae Bates, Miss Dorothy Thomas, Mrs. R. E. Schiller and Mrs. W. T. Hilliar. The proceeds of this sale amounted to \$125.35. Every one in the hotel purchased a flower. It was a delightful sight indeed to see the boutonnières and corsages again so much in evidence on this occasion.

The committee in charge herewith extends their heartiest thanks and sincere appreciation on behalf of the Chicago Florists' Club to all who so kindly contributed towards this affair.

F. LAUTENSCHLAGER.

NATIONAL CAMPAIGN FOR PUBLICITY FOR FLOWERS.

Chairman George Asmus, of the Publicity Finance Committee, reports the following additional subscriptions: Annually for four years:

At New York Florists' Club meeting, November 12th Henshaw Floral Co., New York, \$50.00.

By H. C. Neubrand, Cromwell Chas. Munro, New Haven, Conn., \$10.00; S. H. Moore Co., New Haven, Conn., \$25.00.

Through the Secretary's Office, Wm. F. McCord Co., Tarrytown, N. Y., \$25.00; E. E. Brown, Asheville, N. C., \$5.00; Frey & Frey, Lincoln, Neb., \$25.00; David J. Scott, Corfu, N. Y., \$25.00; Albert Hruban, Omaha, Neb., \$10.00 (for 3 years only).

By D. C. Hergen, Macon, Ga. Stull's Nursery Co., Augusta, Ga., \$10.00.

Florists' Telegraph Delivery, A. Langhans, Wheeling, W. Va., \$20.00.

By Chas. P. Mueller, Wichita, Kan. Chas. P. Mueller, \$25.00.

By A. L. Miller, Jamaica, L. I. John Lewis Childs, Flowerfield, N. Y., \$100.00.

By N. A. Benson, Denver, Colo., T. H. Trimmer & Son, Denver, Colo., \$5.00.

By Tutthill's Advertising Agency, N. Y., Doubleday, Page & Co., Garden City, L. I., \$200.00. (This makes Doubleday, Page & Co.'s contribution \$400.)

Total, \$625.00. Previously reported from all sources, \$21,500.50. Grand total, \$22,125.50.

A CORRECTION.

In sending in my report to the Publicity Committee I failed to mention that it was to be totaled as a contribution from the Lancaster County Florists' Association and that while I was instrumental in starting it the credit belongs to the Association and we expect to have the amount increased considerable before Jan. 1st.

ALBERT M. HERR.

PROPAGATION OF DECIDUOUS TREES AND SHRUBS

At the recent address by John Kirkgaard before the Gardeners' and Florists' Club of Boston on the above subject, he submitted the following list showing the easiest methods of propagating the most common deciduous trees and shrubs.

Key to Abbreviations: H. C. Hard wooded cuttings, S. C. Soft wooded cuttings, S. Seed, R. C. Root cuttings.

All common maples, the Siberian and type of the Japanese maple, S.
Common Horse Chestnut, S.
Common Alder or Alnus, S.
Various Amelanchier, S.

Aralia spinosa and japonica, S., R. C.
The more common Birches and Betula pumila, S. Of the pyramidal Birch, about 75 per cent will come true from seed.
Hornbeams, S.
Hickories, S.

American, Japanese and Spanish Chestnuts, S. The Paragon Chestnut cannot be relied upon to come true to variety from seed.

Common Catalpas, S.
Celtis or Nettle tree, S.
Wild Cherries, S.
Cercis canadensis and japonica, S.
Chionanthus or White Fringe, S.
Yellow-wood or Cladestris or Virgilia, S.
Cornus Florida, S.
Common varieties of Hawthorn, S.
American and European Beech, S.
Common and English Ash, S.
Ginkgo, Salisburia or Malden-hair tree, S.
Honey Locust, S.
Gymnocladus or Kentucky Coffee tree, S.
Common Laburnum, S.
Common Larch, S.
Liquidambar styraciflua, S.
Tulip tree, S.

Magnolia acuminata, glauca and tripatala, S.
Nyssa or Tupelo, S.
Ostrya or Ironwood, S.
Phellodendron amurense, S.
American and Oriental Plane, S. The Oriental Plane occasionally take root from hard-wood cuttings but not satisfactorily. Practically all Poplars, excepting the Bolleana and tremuloides, H. C.

Hop tree, S.
Siberian or Common Crab, S.
American and European Mountain Ash, C.
The various types of Oaks, S.
Robinia or Black Locust, S.
All the Willows, H. C.
Sassafras, S.
Common Sophora, S.
Japanese Lilac, S.
Various types of Lindens, S.
American and English Elms, S.
Zanthoxylum or Prickly Ash, S.

Shrubs.

Amorpha canescens and fruticosa, S.
Andromeda or Oxycandrum arborea, S.
Aralis pentaphylla, S. C.
Artemisia abrotana, S. C.
Types of Azalea, S.
Baccharis halimifolia, H. C., S.
Benzoin or Lindera, S.
Common, Japanese, purple and Hakodada Barberry, S.
Rubidia, S. C.
Ceanothus, S.
Caragana sibirica and arborenses, S.
Ceanopteris or Blue Spiraea, S. C.
Ceanothus americana, S.
Cephalanthus or Button Bush, H. C., S.
Chionanthus or White Fringe, S.
Cochra alnifolia, S.
Colutea arborenses, S.
Corylus alba or sibirica, H. C., S.
Corylus alternifolia, S. Mascula, S. C.
Paniculata, S. Sericea, H. C., S. Stolonifera, H. C., S. Stolonifera aurea, H. C., S. C.
Corylus americana and avellana, S.
Cytisus or Pyrus japonica and var pubescens, S.

The Deutzia crenata varieties, H. C.
Deutzia Lemneci, D. gracilis and its varieties, S. C.

The Weigelas or Diervillas root best from soft wood.

The Eleagnus, S.
The various shrubby Euonymus excepting alatus, S. Euonymus alatus from soft wood.

Lyxochorda grandiflora, S.
Psephythia Fortunei, vicidissima and its yellow leaved variety, H. C., S. C.
Psephythia suspensa, S. C.

Blueberries and Huckleberries, S.
Gonolobus scoparia, S. Thicket, S.
Witch Hazel, S. Under very favorable conditions the Alnus or Hibiscus myricas will root from hard wooded cuttings.
Hippophae rhamnoides, S.
Hydrangea arborescens H. C., S. C.
Hydrangea paniculata grandiflora and pendulata, propagate best from soft wood, although they can be made to root from hard wood, and grown from seed. Such varieties as Hydrangea niven or radiata, quercifolia and vestita are best rooted from soft wood.

The various Hypericums, except moneritum, S. Hypericum Moseleanum, S. C.
Ilex verticillata, S.
Itea Virginica, S.
The various Kerria or Corchorus, S. C.
Lepedeza bicolor, S.
Lespedeza or Desmodium Sieboldi, S. C.
Ligustrum cilatum, Itoha, media, and vulgaris, S.
Ligustrum ovalifolium, also L. vulgaris, H. C.

Lonicera Alberti or laspidia, S. C.
Other bush Honeysuckles, H. C.
Lycium barbarum and chinensis, H. C., S.
Myrica cerifera, S.
Philadelphus coronarius, and grandiflorus, H. C.

Hybrid varieties, the yellow leaved form, and Lemnolus varieties, S. C.

Potentilla fruticosa, S.
Prunus maritima and pumila, S.
Pyrus arbutifolia or aronia, S.
The various Rhamnus, S.
Rhodora canadensis, S.
Rhodotyus kerrioides, S.
Rhus copallina, glabra, cotinus and typhina, S. The cut leaved forms of Rhus glabra and typhina grow well from root cuttings. Ribes alpinum, aureum, and other varieties are best grown from soft wood.

Robina hispida, S., R. C. S.
Rubus odorata, R. C.

The various Elders, H. C. Sambucus canadensis, nigra, and pubens also from seed, S. C.

Spiraea arguta, H. C., S.; Billardi, H. C., S.; callosa and callosa alba, S. C.; chamaedrifolia, S. C.; Douglasii, H. C.; Jap. Bumaldi, S. C.; var. A. Waterer, S. C.; opulifolia, H. C., S.; opulifolia aurea, H. C., S.; prunifolia, S. C.; Reveal, S. C.; rotundifolia, H. C., S. C.; salicifolia, H. C., S.; serbifolia, S., R. C.; Thunbergii, S. C., S.; tomentosa, H. C., S.; Van Houttei, H. C., S.
Staphylea colchica, S.
Stephanandra, S. C.

Symphoricarpus vulgaris and racemosus, H. C., S.

Common Lilacs, S.
Tamarix, H. C., S. C.
Viburnum acerfolium, cassinoides, dilatatum, lantana, lantanoides, lentago, molle, opulus and prunifolium, S.; Viburnum opulus sterilis, opulus nanum, tomentosum, and tomentosum var. pilcatum, S. C.

Of the half-climbers which may be classed as shrubs, may be mentioned the various Celastrus which grow easily from seed, and Tecoma or Bigonia radicans and grandiflora, which are easily raised from root cuttings.

The following roses are easily grown from seed: Rosa blanda, Carolina, lucida, multiflora, japonica, nitida, rubiginosa, rubrifolia, rugosa, setigera, spinosissima, and Wichuralana. Rosa var. Madame Plantier grows well from hard-wooded cuttings, as do also many of the Wichuralana varieties.

The flower show held in the High school, Dobbs Ferry, N. Y., on Friday and Saturday of last week, under the auspices of the local Horticultural society, was a big success and as a result several hundreds of dollars were realized for the benefit of the Red Cross. The Hudson River Garden league, in conjunction with the Horticultural society staged the show. The judges were Louis A. Martin, of Irvington; Howard Nichols, of Yonkers, and Joseph Mooney, of Hastings.

PROPAGATING EVERGREENS BY CUTTAGE.

A Paper by A. E. Robinson, read before the Gardeners' and Florists' Club of Boston on November 20.

The species of evergreens usually propagated by cuttage, include the *Retinosporas*, *Thuyas*, *Junipers* and like-wooded sorts. With the exception of certain deciduous shrubs, I know of no class of woody plants more easily rooted than these evergreens. The cuttings are made of mature wood, taken usually in November, and should be of the entire season's growth, cut at the heel. Instead of "sticking" the cuttings in the ordinary propagating bench or frame, nurserymen have found it economy to prepare flat boxes about 18 or 24 inches square, 4 inches deep, and with holes in the bottom for drainage. In the bottom of the flat, place about an inch and a half of good soil, then fill with clean, sharp sand, wet down and pack firmly. The cuttings are set in these flats, about one inch apart each way, and so that the heel of the cutting is slightly above the soil. The object of the soil in the bottom of the flat, is that when the roots begin to form they will have something to feed upon until the young plants are ready to be shaken out and transplanted to the open ground outside. These box-flats are placed in a well shaded greenhouse or frame where they can be given gentle heat. Care must be taken to keep the temperature and moisture fairly even. By February the roots are usually formed and the boxes can be transferred to a cool house where the temperature is about 50 degrees. In April the boxes should be placed out-of-doors in a cool frame where they should remain until danger of frost is past; then removed to a shaded situation and set upon boards to admit good drainage. Leave them here until the following spring, giving protection during the winter. In the spring, the plants are shaken out of the boxes and planted in beds where they remain until large enough to line out in nursery rows.

Another method practiced in the West and South is to "stick" the cuttings in the sand in an ordinary propagating bench with mild bottom heat; when rooted pot them off in small pots, and keep them in the house until early summer, when they are transferred to frames or beds outside.

Many of the evergreens root slowly, some very slowly, and often have to remain in the original frames or benches for several months. Some of the *Junipers*, *Yews* and *Cryptomeria Japonica* will not make roots for nearly twelve months, keeping good foliage, however, and ultimately giving good plants. They are nearly always grown in shaded houses or frames and sometimes in inside propagating frames.

The evergreen shrubs are handled in much the same way; although the *Azaleas*, *Daphne cneorum*, *Euonymus*, *Ericas* and the like, can be increased economically by soft wood cuttings.

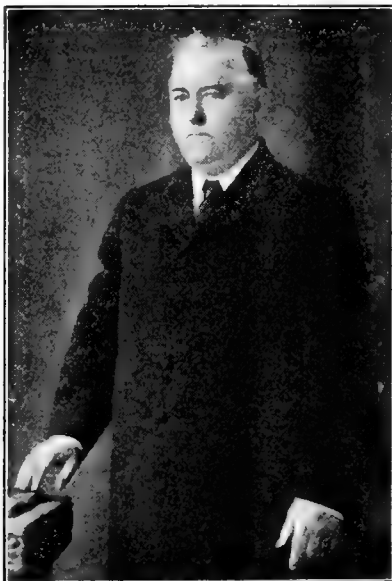
Some few propagators are being successful in rooting semi-soft wood cuttings of *Retinosporas*, *Thuyas* and some *Junipers* in June and July in ordinary propagating frames outside. This method, however, requires very careful and constant attention, and is not as economical as winter propagation.

Obituary

David Welch

All floral Boston was shocked to learn of the sudden death on Tuesday morning, November 27, of David Welch formerly of Welch Bros. Co., and late of D. & E. J. Welch, wholesale florists. Mr. Welch has been in rather precarious health for several years with affections of the throat and stomach, suffering from occasional severe attacks which necessitated careful habits and frequent absence from business. He was at his usual post on Monday and his indisposition and going home at noon on that day occasioned no special solicitude, but he failed rapidly after reaching his home in Dorchester and on Tuesday morning passed away after a night of suffering.

David Welch was born in Mallow, County Cork, Ireland, 63 years ago, the



DAVID WELCH

son of a prosperous farmer, and got his education in the National school. The family came to Boston in 1871 and David worked on the estate of the late Marshall P. Wilder the noted pomologist, in Dorchester for a number of years, after which in 1885 he became a partner with Patrick and E. J. Welch in the firm of Welch Bros., where he remained until June, 1916, when with his brother E. J., he separated from the old house and formed a new company.

Mr. Welch was a man of the highest degree of integrity, well-read, and a mathematician of more than ordinary attainments. He was an interesting and unique character, full of philosophy and wise, often droll, sayings and quotations from famous authors, ancient and modern, with which his habit of reading and retentive memory kept him plentifully supplied. His associates among the trade were not numerous but the few with whom he was intimate fully appreciated his sterling qualities. His wife died about ten years ago.

Wm. B. Smith.

Ex-Mayor of Philadelphia, Wm. B. Smith died at his home, Laurel Springs, N. J., on Nov. 23rd aged 73.

Mr. Smith was not connected with the horticultural business in any way, but he was well known and widely popular, having presided or served as toastmaster at many florists' banquets in Philadelphia during the past thirty years. He was the wittiest and jolliest of toastmasters and was always the life of the party. Many in the trade all over the country knew him—his fame having traveled far and wide. His welcome speech to the S. A. F. Convention at its first meeting in Philadelphia in 1886 was a gem and is worth reprinting as showing his facile and forcible mentality on its serious side which few of us appreciated as it deserved.

Mr. Smith was born in Glasgow, Scotland, 73 years ago, and was brought to this country when he was 7 years of age. G. C. W.

CHRYSANTHEMUM SOCIETY OF AMERICA

Reports of Committee.

Exhibited at Cleveland, Nov. 8, by Elmer D. Smith & Co., Adrian, Mich.: Var. No. 206-14-16, light pink, pompon, ex. point 80; Betsy Ross, white, Jap. Inc., com. points 88; No. 52-5-13, pink shaded lemon, Jap., com. points 85; Midnight Sun, yellow, Inc., com. points 87; No. 71-2-14, bronze, Inc., com. points 82. By Mt. Greenwood Cemetery, Morgan Park, Chicago: No. 21, yellow, Jap., ex. points 85; Mrs. C. W. Johnson, white, Jap., com. points 91, ex. 92; No. 20, white, Jap., ex. points 84; No. 31, rose pink, silver reverse, Inc., com. points 81; No. 24, pink, Jap., com. points 84. By Friedley Floral Co., Cleveland: Big Baby, yellow, pompon, ex. points 87. By J. B. Goetz, Saginaw, Mich.: No. 100, yellow, anemone, ex. points 88. At Chicago, Nov. 10, by Elmer D. Smith & Co., Adrian, Mich.: No. 109-9-15, maroon, Jap. refl., com. points 87.

Exhibited at Chicago, Nov. 17, by Mt. Greenwood Cemetery Asso., Morgan Park, Chicago; var. Mrs. C. W. Johnson, white, Jap. Inc., com. points 91, ex. points 92.

CHAS. W. JOHNSON, Secy.

PERSONAL.

J. Fred Wessler has been appointed superintendent of Gwynn Falls Park, Baltimore, Md., succeeding the late N. F. Flitton.

Francis Lazenby, head gardener for C. A. Stone, Plymouth, Mass., and lately employed by R. & J. Farquhar at their Dedham nurseries, has been appointed superintendent of Andrew G. Weeks' estate, Marion, Mass.

CLEVELAND.

The H. A. Sherwin estate at Willoughby is taking bids for the superstructure of three greenhouses. Masonry work is now underway. Albert E. Skeel, 4500 Euclid avenue, is architect.

City Forester Hyatt announces that 17,000 hyacinth bulbs have arrived from Holland consigned to the city of Cleveland. About ten days ago word was received of their arrival in New York. They are behind schedule and Forester Hyatt had almost given up hope of receiving them in time. A force of gardeners was immediately put to work setting them out.

LOCAL AND GENERAL NEWS

BOSTON

Thursday preceding Thanksgiving Day made a record for low temperature not equalled for 27 years on that date.

Norris E. Conley, reports that coal on the cars destined for his greenhouses at Bedford has been appropriated for government disposition.

Attorney David Stoneman, of 24 Brookledge street, Roxbury, has been appointed a member of the Park and Recreation Commission by Mayor Curley, to fill a vacancy caused by the death of Robert Peabody.

J. A. Nelson of Framingham was severely bruised and cut about his face on Monday, this week, in an accident which happened while he was adjusting a new tire on his automobile and is now in the Framingham Hospital. Mr. Nelson had planned to start that day for Florida for the winter.

We took occasion a few days ago to visit our old friend Gustav Thommen, formerly of North Billerica, Mass., who did some remarkable stunts there as a carnation grower, but now in charge of the Jas. D. Casey greenhouses in Reading, Mass. Mr. Thommen was installed there last February. The place, formerly a vegetable forcing venture had been unoccupied for a period of three years. Repairing and new heating apparatus, soil making and general preparation took a long time and it was late April and May before the four houses were at last planted with carnations, a motley stock of cuttings gathered together from varied sources. But a trifle like that doesn't disturb a grower with Thommen's versatile skill and we doubt if there is a handsomer sight in the carnation line at this date anywhere on the American continent. There are sixteen varieties under culture and all are bristling with buds and bloom on stems running from 24 to 35 inches tall and strong, and this simultaneously on bench and solid bed plantings. Beacon shows an average of seven blooms per plant to be cut before Christmas. Mr. Thommen has promised to tell our readers something of his methods though the columns of HORTICULTURE.

CHICAGO.

Mrs. Frank Oechslein is again ill with neuralgia of the face and head from which she has suffered severely and was again taken to the hospital for treatment last week.

That the public never tires of a window with something alive in it is evidenced by the fact that, after many weeks, the Mandarin ducks with their beautiful coloring are holding the passers-by in front of John Mangel's store.

Geo. Wienhoeber's Monroe street window is out of the ordinary this week. It has a tiny Otaheite orange grove, and scattered about on the floor of the window are large ponde-

rosa lemons. The color scheme is very effective.

The returns from the sale of flowers at the Art Institute last Friday, for the benefit of the Y. M. C. A. work for the soldiers, netted nearly \$3,000 to date. The florists donated most liberally and the plant growers contributed with their never failing generosity.

A. Miller, president of the American Bulb Co., is in Cincinnati on business. Robt. Newcomb of the same firm, after visiting the flower shows at Cincinnati, Cleveland and Des Moines, is making a tour of the west. D. W. Dumser, their newest salesman, is now in Ohio. The American Bulb Co. report sales as very good and everybody busy this fall.

T. Waters, manager of the supply department of Poehlmann Bros., is back from Minneapolis. The Christmas offerings are making a fine showing in the salesroom now, and include all the new and staple lines. Particularly attractive are the baskets which

come in designs suitable for every sort of occasion, and the ribbons which are more beautiful each year

PHILADELPHIA.

August Wanjek, 26th and Lehigh avenue, is nursing a broken arm. He was cranking up his car in front of his flower store and the first thing he knew he brought up against a wall ten feet away and later brought up in the Episcopal Hospital.

A one-fifth interest in the Dick property, 1721 Chestnut street, will be sold at auction Dec. 6th by Samuel T. Freeman and Co. This is the location of the old Kift flower store and the liquidation is called for on account of the Halliday interest in the property.

We are pleased to see a little rift in the clouds. The Thanksgiving spirit has a deeper hold on the American people than the debutante and other society crazes that come and go. The demand for our products is better than any one could have expected—after what we have been going through. Thanksgiving looks like the same old-timer it has always been, which augurs well for Christmas trade, which is a festival even more country-wide than Thanksgiving.

ROCHESTER, N. Y.

G. B. Costigh is leaving for St. Petersburg, Florida.

J. B. Keller Sons are displaying fancy baskets of helichrysum.

Hugo Toity has fine houses of cyclamen, begonias and primroses.

At the greenhouses of H. E. Wilson they are cutting some excellent late chrysanthemums.

Tom Sullivan was given a rousing send-off to camp. Cigars, a woolen blanket, sweater and wristlets were given him by Hart's employees.

In the nurseries of the Rochester Park Department there are now being raised hundreds of Japanese cherries which are to be planted at Durand-Eastman park in a conspicuous site selected by Dr. Charles S. Sargent of the Arnold Arboretum, Boston. A natural setting of evergreens will form a beautiful background for the cherry blossoms. The trees from which these were secured were grown from grafts brought from Japan by E. H. Wilson the noted plant collector and naturalist.

ST. LOUIS.

The Chrysanthemum Show at Shaws' Botanical Garden last week was one of the best ever given.

All the St. Louis wholesale houses have agreed to close at 5 p. m. during the winter months.

NEW YORK

A. Halukeas has leased a part of the store of the Gray Drug Company at Broadway and 43rd street for a flower shop.

MEETINGS NEXT WEEK.

Monday, Dec. 3.

Bernardsville Horticultural Society, Horticultural Hall, Bernardsville, N. J.
Elberon Horticultural Society, Fire Hall, Elberon, N. J.
Houston Florists' Club Chamber of Commerce Rooms, Houston, Tex.
Montreal Gardeners' and Florists Club, Montreal, Canada.
New Bedford Horticultural Society, New Bedford, Mass.
Washington Florists' Club, Washington, D. C.
Cleveland Florists' Club, Cleveland, O.

Tuesday, Dec. 4.

Florists' and Gardeners' Club of Holyoke and Northampton, Mass.
Lake Geneva Gardeners' and Foremen's Association, Horticultural Hall, Lake Geneva, Wis.
Los Angeles County Horticultural Society, Los Angeles, Cal.
Paterson Floricultural Society, Y. M. C. A. Bldg., Paterson, N. J.
Florists' Club of Philadelphia, Philadelphia, Pa.
Pittsburgh Florists' and Gardeners' Club, Fort Pitt Hotel, Pittsburgh, Pa.

Wednesday, Dec. 5.

Tuxedo Horticultural Society, Tuxedo Park, N. Y.

Thursday, Dec. 6.

Albany Florists' Club, Albany, N. Y.
Reading (Pa.) Florists' Association, Reading, Pa.
Southampton Horticultural Society, Odd Fellows Hall, Southampton, N. Y.

Friday, Dec. 7.

North Shore Horticultural Society, Manchester, Mass.
North Shore Horticultural Society, Lake Forest, Ill.
Pasadena Horticultural Society, Pasadena, Cal.
People's Park Cottage Gardeners' Association, Paterson, N. J.
Yonkers Horticultural Society, Yonkers, N. Y.

Saturday, Dec. 8.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, F. W. Bolgiano, Washington, D. C.; First Vice-President, Wm. G. Scarlett, Baltimore, Md.; Second Vice-President, David Burpee, Philadelphia, Pa.; Secretary-Treasurer, C. E. Kendel, Cleveland, O.

THE PEA CANNERS AND THE SEEDSMEN.

A Record of Events Causing the Present Seed Pea Situation.

A few weeks ago when announcement was made that the United States Food Administration intended to regulate the distribution of seed peas for the 1918 planting, many in the seed trade wondered why this action had been taken. Although peas are an important crop and canned peas a staple article of food, yet there are many other crops that would seem to be of greater importance than peas, that should have the attention of the Food Administration.

With the idea of obtaining information on this subject, THE SEED WORLD has been conducting an investigation in the matter, which has disclosed some very startling facts that have led up to the present situation. In this article we are giving the true facts in the case and in doing so we are not prejudiced in any way.

To begin at the beginning, we must go back to the spring of 1916, and review a few happenings that occurred then. At that time, the Wisconsin Canners Association had succeeded in having passed through the State Legislature, an amendment to the State Seed Law, which specified that seed peas for canners' use must be sold in accordance with the provision of the Wisconsin Pure Seed Law. Having secured this legislation, favorable to their interests, the Wisconsin canners adopted a contract form, which they proposed to use in purchasing their seed peas from the seedsmen.

The principal provisions in the contract were as follows:

- (1) Amount delivered to be based upon the seller's average for the last five years.
- (2) That the product delivered comply with the provisions of the seed law of the State of Wisconsin.
- (3) Date and where grown to be specified.
- (4) Germination test at time delivered.
- (5) Crop to be screened over sieves having a mesh not smaller than a certain size.
- (6) Shall not exceed a certain per cent by weight of impurities or foreign matter.

In effect this contract eliminated entirely the disclaimer clause under the provisions of which the seed has always sold its product.

Following this action by the Wisconsin Canners' Association a number of representative seedsmen held a meeting in Chicago on March 2, 1916, to discuss the action taken by the Wisconsin Canners' Association. After

carefully considering all the phases of the position, the seedsmen reaffirmed and endorsed the non-warranty clause and recommended that all sales or agreements of sale, "where the non-warranty clause was waived, that the seller shall receive an additional purchase price for the seed by way of insurance and so stated as a term of the sale or agreement of sale, and that the seller should be liable in any event for not more than the purchase price of the seed."

This was not at all satisfactory to the canning interests, as it can be readily seen that in order to comply with the contract adopted by the Wisconsin canners, it was necessary for the seedsmen to charge a slight additional price by way of insurance. After forcing this contract upon the seedsmen, the canners were unwilling to pay the price that was deemed necessary in order to comply with the provisions of the canner's contract.

The canners then determined to eliminate entirely the seedsmen as a source of supply for their pea seed. Accordingly, early in 1917, arrangements were made by the Wisconsin Canners' Association with growers of seed peas in the far west, to grow for the canners, their entire seed requirements for the 1918 planting. By this means the canners planned to become entirely independent from the seed trade as far as supplies of seed peas were concerned and the Wisconsin canners so informed the seedsmen when they were approached by the latter regarding seed contracts in the spring of 1917. At this time, the canners stated that they were growing their own seed peas and desired to have no business connection whatever with seed merchants from whom they had always purchased their supplies in

the past.

The seedsmen, therefore, acting upon the advice of the canners, did not plant their usual pea acreage. As is well known to the trade, it is the custom of seedsmen to plant acreages sufficient to take care of their contracts with a small surplus left over to take care of such small orders as may be received during the season.

The acreage planted by the seedsmen in the spring of 1917, being greatly reduced, the seedsmen found after the planting was completed that they had considerable quantities of seed peas left. Rather than hold this high priced seed stock over for another year, this leftover seed was sold for food purposes. It is a well known fact and one that can easily be proved, that thousands of bushels of high-priced seed pea stock was sold at the end of the 1917 planting season for food purposes.

It should be remembered that these conditions applied only to the canners in Wisconsin. The canners in Ohio, Indiana, New York and other states, placed their seed contracts as usual with the seedsmen and the seed merchants planted their acreage accordingly to take care of these canners and their other regular customers.

This then was the situation up until the time of harvest of the present year, when the Wisconsin canners discovered that the growers in the west had experienced almost a total crop failure and would be unable to deliver more

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than a similar percentage of the amount of seed used.

The committee, then, at a meeting, appealed to the seedmen to send seed, to the various horticulturists whom they had turned down but a few months previously. These seedmen did not have any surplus stock with which to supply the committee and so informed them.

The Wisconsin canners then, in desperation, appealed to the Food Administration, stating that they did not have seed with which to plant their 1918 crops and that if seed was not forthcoming they would not be able to operate their plants. The Food Administration after taking the matter under advisement decided that seed peas should be placed upon the conservation list.

The above facts constitute a true story of the cause leading up to the present seed pea situation. If the Food Administration continues its present plans relative to regulating the distribution of seed peas, we know that every seed firm in the trade will gladly co-operate with the Administration to the fullest extent, but we feel that the facts leading up to the present situation should be made public, so that the seedsmen will not be blamed for the present condition of affairs.—*The Seed World*

Notes.

New York.—Weeber & Don have added to their staff, W. R. Smith, formerly with Peter Henderson & Co. Mr. Smith is to be manager in charge of the retail store.

Charles J. Bolgiano and his associates in Bolgiano's Seed Store, Wm. H. Mihm, John H. Joyeux, Albert F. Seim, Miss Jessie L. Anderson, Rozell J. Bowen, Frederick H. Thayer, Claude B. Ramsay, Morris B. Robinson and Harry P. Yerby, of Baltimore, Md., purchased fifty thousand dollars worth of Liberty Bonds of the second Liberty Loan. They also purchased ten thousand dollars worth of the first loan. Mr. Bolgiano has also been an ardent worker for the Y. M. C. A. Last week he made several addresses in the large factory buildings throughout the city.

A BANK'S WAR GARDEN SHOW.

A San Francisco bank lately held an exhibit of the produce from a war garden planted by one of its staff on a lot 30 by 100 feet. Among the produce shown were dressed Belgian hares, eggs, and half a dozen different kinds of vegetables, with berries, accompanied by a poster giving details of production. The young Belgian does substantially reduce the family's meat bill. Six hens laid an average of four eggs a day, and a patch of alfalfa 25 feet square supplied food for the hares and grain stuff for the chickens all year round. Seven sacks of potatoes were harvested from a plot 27 by 45 feet in size, which also yielded squash between the rows. Green peas were raised in succession to supply the table four months on a plot 12 by 18 feet. Berries were trained on the garden fence.

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A NEW SOURCE OF FERTILIZER.

At the recent convention of the American Chemical Society, at the Institute of Technology at Cambridge, Mass., speaking before the fertilizer division, Alfred H. Cowles of New Jersey and Alfred W. Scheidt discussed the preparation of a new fertilizer made from calcium silicates, supplying lime and soluble silicates for improving plant growths. This new fertilizer, the speaker said, has already been found to be of great benefit to the growing of tobacco, sugar and other beets, buckwheat, clover and grass. Experiments have been made with clover which show that one-third more luxuriance has been developed through the use of soluble silica, this result having been confirmed by state agricultural experimental sections all over the country. The speakers stated that it is now well known that soils which contain a great deal of humus and which have not been cultivated conserve the natural silica for future plant growth. Soils which are under constant cultivation are robbed of this silica with the taking of the crops, and so must have the silica or its equivalent returned to maintain productivity.

"The future," declared Scheidt, "demands complete and thorough knowledge of those mineral constituents that go to constitute the proper mixture of essential fertilizers to apply to our soils, in the light of whatever variable composition the soil and water may have."

Carlisle, Pa.—Attorneys for the firm of C. Keur & Sons, of Hillegom, Holland, have brought an action against the New Cumberland Floral Company to recover the sum of \$599.50, alleged to be due on an order for imported bulbs.

MASSACHUSETTS AGRICULTURAL COLLEGE.

"Stan" Duffell, '17, is now at Green's Farms, Conn. on the estate of E. T. Bedford. He writes that John Ness, formerly of Faulkner Farms, is there also in charge of the greenhouses. Speaking of the estate, he writes: "Outside there is this fine formal garden, which attracts the visitors, composed of perennials, etc., with a rockery and pool attached. The lawn of the main house runs right down to the ocean and commands a fine view of Long Island Sound. On the whole, this is quite a fine place and is well known in this part of the country."

Professor W. D. Clark, head of the Department of Forestry, has been granted leave of absence from college duties to take up work on Fuel Conservation. F. A. C. Smith, Extension Landscape man, has taken up the work in Forestry.

H. A. Pratt, '17 ("Hap") has left S. J. Goddard's at Framingham to take charge of the work in Floriculture at Kansas State University.

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White Roman Hyacinths, 12 to 15 ctm. \$34.00 per 1000; 13 to 15 ctm. \$36.00 per 1000.
 Single Early Tulips, Thorburn's Rainbow Mixture, \$6.00 per 1000.
 Parrot Tulips Mixed, \$6.25 per 1000.
 Sacred Chinese Lilies, Mammoth size, \$90.00 per 1000.
 Single Sweet Scented Jonquils, \$4.00 per 1000.

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Of Interest to Retail Florists**NEW FLOWER STORES.**

Santa Ana, Cal.—H. W. Turner

Alexandria, Va.—Mrs. Powers, King St.

Longmont, Col.—Robbins Flower Shop.

Indianapolis, Ind.—George Pandell, Washington St.

Brooklyn, N. Y.—Giblan & Block, 1016 Flatbush Ave.

Springfield, O. B. & N. Florists, South Fountain Ave.

Philadelphia, Pa.—Chas. H. Campbell, Germantown Ave.

Trinidad, Col.—Van's Floral Store, North Commercial St.

New York, N. Y.—A. Halukeas, Broadway and 43rd St.

Elmira, N. Y.—Sheely & Reilly, removing to 205 Lake St.

Toledo, O.—Bloom's Flower Shop, Waldorf Hotel, Summit St.

Santa Barbara, Cal.—W. J. Tedmarsh, State St., succeeding Mrs. Whipple.

Chicago—A new store was opened at 3201 Fullerton Ave. by Andrew S. Bronton and Ralph Gaylord, to be known as The Bronton Co. They include landscape gardening also.

NEW CORPORATIONS.

Tulsa, Okla.—Park Floral Co., retailers, capital stock, \$5,000. Incorporators, N. R. Graham, L. W. Meisenbacher and C. R. Busch.

Houston, Tex.—Boyle & Pendarvis, retail florists; capital stock, \$5,000. Incorporators, John J. and W. J. Boyle, and Thomas A. Pendarvis.

Elmira, N. Y.—Sheeley & Rilly have branched out in their business and have rented the small store on the Lake street front of the Masonic Temple, where they will conduct a retail flower business in connection with their greenhouse in Elmira Heights.

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At your service to deliver Flowers or Designs on Order by Telegraph or otherwise. Prompt Reliable Service.

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Boston—Penn the Florist, 124 Tremont St.

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Chicago—William J. Smyth, Michigan
Ave. and 31st St.Cleveland, O.—J. M. Gasser Co., Euclid
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No. 1 Fresh Cut Roses, Short Stems, Suitable for Design
Work, \$15.00 per 1,000, assorted.
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No. 3 Assorted Roses, Our Selection, 500 lots.....\$15.00
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	BOSTON Nov. 28		ST. LOUIS Nov. 19		PHILA. Nov. 26	
Roses						
Am. Beauty, Special	30.00	to 40.00	40.00	to 50.00	25.00	to 35.00
" " Fancy and Extra	6.00	to 20.00	20.00	to 30.00	12.50	to 18.00
" " No. 1 and culls	4.00	to 6.00	5.00	to 10.00	4.00	to 10.00
Russell, Euler, Mock	4.00	to 12.00	6.00	to 20.00	3.00	to 25.00
Hadley	4.00	to 12.00	6.00	to 12.00	3.00	to 15.00
Arenberg, Hoosier Beauty	4.00	to 12.00			3.00	to 10.00
Ward	4.00	to 12.00	3.00	to 8.00	2.00	to 6.00
Killarney, Radiance, Taft	4.00	to 12.00	3.00	to 6.00	2.00	to 8.00
Ophelia, Sunburst, Hillingdon	4.00	to 12.00	3.00	to 10.00	3.00	to 10.00
Carnations	4.00	to 6.00	2.00	to 3.00	2.00	to 4.00
Cattleyas	40.00	to 50.00			75.00	to 50.00
Dendrobium formosum		to 50.00				to 60.00
Lilies, Longiflorum	8.00	to 12.00	12.50	to 15.00	8.00	to 10.00
Lilies, Speciosum	8.00	to 12.00			3.00	to 6.00
Lily of the Valley	6.00	to 8.00	6.00	to 8.00	5.00	to 8.00
Snapdragon	2.00	to 4.00			3.00	to 12.50
Bouvardia	1.00	to 6.00			1.50	to 3.00
Violets	.20	to 1.50	.25	to .40	.25	to 1.00
Chrysanthemums	6.00	to 16.00	5.00	to 20.00	4.00	to 25.00
Sweet Peas	.50	to 1.50			1.00	to 3.00
Marguerites	1.00	to 3.00			.50	to 1.00
Gardenias	25.00	to 35.00			20.00	to 30.00
Adiantum	1.00	to 1.25			.50	to 1.00
Smilax	12.00	to 16.00	12.50	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	35.00	to 50.00	25.00	to 50.00	25.00	to 50.00

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ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS



Flower Market Reports

This market has been **BOSTON** almost bare of certain flowers for the past few days and prices on carnations and roses have taken a big flight skyward. Tuesday saw the apex of the wave, however, and today, Wednesday, sees a considerable breakdown in values due in part to heavier receipts and also to a rather vicious snow storm which followed in the wake of the cold spell. There are too many white carnations in the market and most of the returns are liable to be at the minimum quotation. Roses are decidedly less in number than they were and there are no bargains in sight for the low-price buyer. Of chrysanthemums there are heavy shipments but they were strongly to yellow, Major Bonaffon holding the most of the line. Red is the color demanded in roses and carnations and, if good, these are salable at top figures.

The early part of last **CHICAGO** week was very quiet and local florists paid few visits to the wholesale houses. There was little stock coming in and all that was not needed at home was used up in filling out of town orders. But week trade brightened up later on and the week ended with a brisk demand for all kinds of stock. Instead of the quiet Monday that has been the rule for several weeks, today has been busy and local florists have been securing their Thanksgiving stock, which is wise, for there is no possibility of there being enough to go around. There may be more chrysanthemums to come than is anticipated but it is sure there is a shortage of roses and carnations. Orders for Thanksgiving already on the books have been cut down by many of the large houses and it is the rule to serve old customers to the exclusion of others. Fine American Beauty roses are to be had. Violets are offered in singles and doubles. Lilies are plentiful. Lily of the valley is brought on just fast enough to supply a limited demand. Smilax and asparagus are fine and in considerable quantity.

As Thanksgiving approached conditions **CINCINNATI** became much better. At the end of last week the market was pretty well cleaned up and the first of this week brought a good active demand with light receipts. Roses and carnations are in good supply and at this time meet with a good market. Lilies and callas may be had in fair quantities. Chrysanthemums are still plentiful. Other offerings are narcissus, stevia, single violet, lily of the valley, orchids and sweet peas.

Demand for flowers **CLEVELAND** is not more than normal, but stock is a little scarce and dealers as a rule have some trouble getting the stock they desire. Chrysanthemum season is about at an end, the supply having fallen off noticeably. Although in limited quantities practically every



BEAUTIES

Wonderfully Choice Quality

	Doz.	100
Special	\$5.00	\$35.00
Fancy	4.00	30.00
Extra	3.00	25.00
First	2.50	20.00
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A splendid outlook for Christmas of very choice stock.

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WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Nov. 26		CHICAGO Nov. 26		BUFFALO Nov. 26		PITTSBURG Nov. 26	
Roses								
Am. Beauty, Special	20.00	to 30.00	30.00	to 40.00	40.00	to 50.00	35.00	to 40.00
" " Fancy and Extra	15.00	to 20.00	20.00	to 30.00	30.00	to 40.00	20.00	to 30.00
" " No. 1 and culls	5.00	to 10.00	6.00	to 10.00	6.00	to 10.00	10.00	to 15.00
Russell, Euler, Mock	5.00	to 20.00	6.00	to 30.00	3.00	to 12.00	6.00	to 15.00
Hadley	.....	to .....	.....	to	3.00	to 10.00	.....	to
Arenberg, Hoosier Beauty	4.00	to 12.00	4.00	to 15.00	5.00	to 10.00	.....	to
Ward	4.00	to 8.00	4.00	to 12.00	3.00	to 5.00	6.00	to 10.00
Killarney, Radiance, Taft	4.00	to 10.00	4.00	to 12.00	2.00	to 8.00	4.00	to 10.00
Ophelia, Sunburst, Hillingdon	4.00	to 15.00	4.00	to 15.00	3.00	to 8.00	6.00	to 12.00
Carnations	2.00	to 4.00	3.00	to 6.00	2.50	to 5.00	2.00	to 4.00
Cattleyas	.....	to 75.00	60.00	to 75.00	60.00	to 75.00	50.00	to 75.00
Dendrobium formosum	.....	to .....	.....	to 75.00	.....	to .....	.....	to
Lilies, Longiflorum	.....	to 12.50	10.00	to 12.00	6.00	to 10.00	10.00	to 12.00
Lilies, Speciosum	.....	to .....	.....	to 12.00	3.00	to 4.00	.....	to
Lily of the Valley	.....	to 7.00	4.00	to 6.00	3.00	to 4.00	.....	to
Snaptadragon	.....	to	4.00	to 6.00	3.00	to 5.00	2.00	to 4.00
Bouvardia	.....	to .....	.....	to	3.00	to 4.00	.....	to
Violets	.75	to 1.00	1.00	to 1.25	.75	to 1.00	1.00	to 1.50
Chrysanthemums	8.00	to 25.00	.....	to	6.00	to 25.00	20.00	to 40.00
Sweet Peas	.....	to 1.00	1.00	to 1.50	.....	to	1.00	to 2.00
Marguerites	.....	to 1.00	.....	to	1.00	to 1.50	1.00	to 1.50
Gardenias	.....	to .....	.....	to .....	.....	to .....	.....	to
Adiantum	.....	to 1.00	.....	to 1.00	.....	to 1.00	.....	to .75
Smilax	.....	to 15.00	15.00	to 20.00	12.00	to 15.00	15.00	to 20.00
Asparagus Plu. & Spreng. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	40.00	to 50.00

seasonable flower is on the market. Snapdragons have put in an appearance, the first examples showing excellent quality.

These notes will be **NEW YORK** read after the Thanksgiving Day record has passed into history and our readers will, therefore, know what we do not know now for we have no gift of prophesy and we long ago learned that forecasting a flower market is a very precarious presumption. All we can say here and now is that two days before the holiday, with extremely low temperature, flower receipts were light and some shipments

frozen in transit, prices have doubled up, almost "in a twinkling," but whether they will remain this way is a question. On general principles our judgment would be that the supply will take care of the demand. All green goods are very abundant and there is, at least, an excessive supply of paper 'white narcissi. Cattleyas are making a gratifying run, cleaning up nicely. Of other stock we shall be better qualified to talk next week but can say now with entire confidence that the situation and the outlook in this market are much brighter than was anticipated a week ago.

(Continued on page 585)

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	Last Half of Week ending Nov 24 1917		First Half of Week beginning Nov. 26 1917	
American Beauty, Special	15.00	to 20.00	20.00	to 40.00
" " Fancy and Extra	10.00	to 12.00	10.00	to 15.00
" " No. 1 and culls.	1.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock	1.00	to 10.00	2.00	to 15.00
Hadley	1.00	to 12.00	2.00	to 20.00
Arenberg, Hoosier Beauty	1.00	to 4.00	2.00	to 6.00
Ward .....	.50	to 4.00	2.00	to 6.00
Killarney, Radiance, Taft .....	.50	to 4.00	2.00	to 8.00
Ophelia, Sunburst, Hillingdon	1.00	to 8.00	2.00	to 12.00
Key	1.00	to 10.00	2.00	to 18.00
Carnations	1.00	to 2.00	4.00	to 6.00

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*Decorative Glassware, Growers and
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Flower Market Reports

(Continued from page 583)

The trade here
PHILADELPHIA today is more
engrossed figur-
ing out what the Thanksgiving busi-
ness will pan out to tell us much
about last week except that it was
pretty good and everything cleaned
up fairly well. Nobody knows what
Thanksgiving will be this year and
it is too early yet to talk about it.
However, Monday previous, out of
town demand is very encouraging.

Business picked up a
ROCHESTER little at the week
end. The chief de-
mand was for funeral work. Chrysan-
themums are still the leading flower
and good varieties are promised for
Thanksgiving. Roses are moving as
well as can be expected during the
chrysanthemum season. Violets have
begun to sell better. Lilies are plenti-
ful but carnations do not meet the de-
mand. Potted pompon chrysanthem-
ums are very popular. Christmas
greens are making their appearance.

This market, week be-
ST. LOUIS fore Thanksgiving, is
well supplied. Sales
good at moderate prices. In roses
and chrysanthemums, a good supply
is assured. Butterfly sweet peas are
now in and commanding good prices.

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DWARF AND TREE VARIETIES
EXTRA FINE QUALITY VIRGINIA STOCK

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NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Nov. 24 1917		First Half of Week beginning Nov 26 1917	
Cattleyas.....	15.00	to 35.00	25.00	to 60.00
Dendrobium formosum.....	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum.....	4.00	to 8.00	4.00	to 8.00
Lilies, Speciosum.....	2.00	to 3.00	2.00	to 4.00
Lily of the Valley.....	3.00	to 8.00	8.00	to 10.00
Snapdragon.....	1.00	to 4.00	1.00	to 6.00
Bouvardia.....	1.00	to 3.00	1.00	to 3.00
Violets.....	.25	to .40	.50	to 1.00
Chrysanthemums.....	2.00	to 20.00	2.00	to 30.00
Sweet Peas.....	1.50	to 2.00	1.50	to 2.00
Marguerites.....	1.00	to 2.00	1.00	to 2.00
Gardenias.....	20.00	to 30.00	20.00	to 40.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, & Spreng (100 bunches).....	15.00	to 25.00	15.00	to 25.00

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AMERICAN ROSE SOCIETY.

Report of the Hartford Test Garden
Examining Committee.

The undersigned committee visited the Hartford Test Garden on July 8, 1917. Few new varieties have been entered within the two previous years, owing, doubtless, to the unsettled existing conditions. J. F. Huss, whose duty it is to secure new entries, is constantly in touch with foreign introducers and reports that, while it is almost impossible to secure entries at present, he is distinctly encouraged by the general attitude towards the Test Garden movement and expects that better results will come with better conditions.

The following preliminary report covers the entries:

Seedling No. 512. Not in condition to warrant final judgment, but the most promising variety among the new entries. Habit, color and growth excellent. Worthy of commendation.

Seedling No. 77. Not in condition to warrant final judgment; color and trusses good; habit evidently climbing, but not well enough defined.

Mrs. George Gordon. Not in condition to warrant final judgment, but very promising. Color, rosy pink flushed silvery pink. Growth, robust and healthy. Habit, good.

Mrs. Bertrand J. Walker. Not in condition to warrant final judgment. Color, cerise-pink. Growth, vigorous and healthy. Habit, good.

VARIETIES PREVIOUSLY JUDGED.

Among these, it was interesting to note that the varieties which received high scores were in fine condition, fully confirming the judgment of the committee.

Lady Pirrie. Reddish salmon in color, although past its best; looked vigorous and healthy and evidently made a profuse showing a week earlier.

Robin Hood. Rosy scarlet. Noted last season as one of the few roses which improve in color as the season advances. Shows the sturdy characteristics of a Hybrid Perpetual. It was in fine condition, the best being one of the best in the garden.

Panama, Crimson Champion and Killarney Queen were also prominent among the kinds in good condition. The latter is evidently the best of the Killarney type for garden purposes.

Arnold Janssen. Although not entered in competition, a bed of the new Arnold Janssen impressed the judges so favorably that it was considered worthy of recording as a decided acquisition among Hybrid Tea roses. In color it is a deep carmine, very attractive, and appears to have all of the points essential to a good garden rose.

A few of the earlier entries show signs of deterioration. Mrs. Hugh Dickson, which was of considerable promise last season, is weak in constitution and did not winter well.

King George VII. Entered as a Hybrid Tea, is of Hybrid Perpetual habit with a tendency to produce blind wood. The color, crimson, has a decided magenta cast when opening in full sun.

Neither of the above received awards.

VARIETIES OF NOTE IN ROSE GARDEN.

In the Rose Garden proper, the roses were at their best. Hybrid Perpetuals are depended on for the chief display, but the Hybrid Teas must eventually displace them. A bed of Radiance, at its best, was a feature of the entire garden, Gruss an Teplitz being a close

second. Other Hybrid Teas, good enough for more extensive culture, were:

Königin Carola, Kaiserin A. Victoria, Caroline Testout, Captain Christy, Augustine Guillaudon or White La France, Mrs. Aaron Ward.

HYBRID PERPETUALS NOTED AS WORTHY
OF EXTENSIVE CULTURE.

Frau Karl Druschki. The finest white in the garden.

A bed of Clio, in proximity to Margaret Dickson, appears the better of the two as the latter produces too much blind wood.

Prince Camille De Rohan, Baron Bonstetten and Jean Liabaud were the best of the deep crimsons.

Captain Hayward, Alfred Colomb, Oscar Cordel, Paul's Early Blush, Oakmont, Robert Duncan, Magna Charta, Madame G. Luize, Marchioness of Lorne, Mrs. R. G. Sharman Crawford, Victor Verdier and Charles Bonnet, thornless, the latter a Bourbon Hybrid, were, in the opinion of the judges, the best of the varieties comprising a large collection.

John F. Huss, W. R. Pierson, Alex Cumming, Jr., Committee.

The Hartford Rose Garden at Elizabeth Park in that city is a popular resort of the first class for residents and visitors, and the men who first devised this garden for public exhibition brought to more general notice the beauty of the Rose as a decorative shrub than was commonly realized. Next June, 1918, the plan is to have an exhibition when the rose will be in its fullest glory, which will be national in its scope. The American Rose Society is pledged to be there in full force.

BENJAMIN HAMMOND, Pres.
Beacon, N. Y., Sept. 29th.



Boston—A. E. Kunderd, Goshen, Ind.

Philadelphia—H. W. Breitenstein, Pittsburgh, Pa.; Chas. H. Schmidt, Harrisburg, Pa.

Chicago—Mr. Leidiger of Edlefsen, Leidiger & Co., Milwaukee, Wis.; B. Knickman of McHutchison & Co., New York; Harry Saier, Lansing, Mich.; Otto Schroeder, Green Bay, Wis.; Carl E. Frick, mgr. of the Floral Dept. of Tiedtke Bros. Co., Toledo, Ohio.

The 3rd Municipal Flower Show, held at the St. Paul, Minn., conservatories, opened Nov. 10th for one week. There are 180 varieties of chrysanthemums on exhibition, featuring pompons and singles. Four houses were used for the display of groups and mounds of color massing, supplemented by a large display of palms and tropical plants. The show has been drawing immense crowds.

PUBLICATIONS RECEIVED

THE PEACHES OF NEW YORK. By U. P. Hedrick, Horticulturist of the New York Experiment Station, assisted by G. H. Howe, O. M. Taylor and C. B. Tubergen. Published by the State of New York as Vol. 2 Part II, of the Twenty-Fourth Annual Report of the Department of Agriculture. In his note of transmittal of the manuscript for this noble volume to the Board of Control of the New York Agricultural Experiment Station, Director W. H. Jordan said: "It is with a feeling of satisfaction, even of pride, that I submit to you the accompanying manuscript. Its preparation reflects great credit upon Professor Hedrick and his associates." This commendatory tribute will be heartily seconded by everyone who may be privileged to examine and read the book. This is the fifth in the series of exhaustive treatises on the fruits grown in New York State, volumes on grapes, apples, plums and cherries having been previously issued. The peach has greater commercial value than all other stone fruits combined and ranks second to the apple only among all fruits, and this comprehensive and exhaustive work gives a complete record of its development wherever grown, up to this time, leaving nothing unsaid. The work of reading references and seeking out synonyms alone is said to have involved nearly three years' work for several persons. As in the preceding fruit books the regions in which and the conditions under which species and varieties of the peach are successfully grown are stated as accurately as possible.

The contents include an account of the history and uses of the peach; a discussion of the botanical characters of the species of cultivated peaches; an account of the peach regions and of peach growing in New York State, with the most important statistics relating to the fruit; and lastly, in greatest detail, the synonymy, bibliography, economic status and full descriptions of all the peaches of importance in cultivation, with brief notice of varieties of minor consequence and of those appearing in peach literature which are no longer grown. In foot-notes running through the text biographical sketches are inserted of the persons who have done most in America toward improving the peach. Incidentally all that was thought would be helpful in peach breeding is given a place.

The book contains 540 pages, uniform in size and binding with *The Cherries of New York*—also by Prof.

Hedrick—published in 1915, and is a fine example of the engraving and printing art. There are 86 full-page fruit plates, and six flower plates, all in colors. A reproduction of a steel engraved portrait of Andrew J. Downing makes an appropriate frontispiece.

Vegetable Forcing, by Ralph L. Watts, dean and director of the School of Agriculture, Penna., State College. This book, just off the press of Orange Judd Company, New York, comes at an opportune time to meet the present need for a practical up-to-date volume on the forcing of vegetables. The author's life-time study and experience in the subjects on which he treats is well reflected in the contents of this book and the claim that it is the most complete, final and authoritative work on forcing ever issued seems well authenticated and the gardener and the student have now at their disposal a complete manual of the principles and practice involved in the production of the various forcing crops including clear and concise instruction covering greenhouse construction, soil, preparation, insects, diseases, marketing and cropping. There are twenty-three main chapters covering over four hundred distinct subjects, occupying four hundred and twenty-five pages and illustrated by one hundred and fifty-eight engravings. The chapters are arranged as follows: A General View; Greenhouse Construction and Heating; Soils; Manures, Lime and Fertilizer; Soil Preparation; Soil Sterilization; Insect Enemies and Their Control; Diseases and Their Control; Starting Plants; Watering, Heating, Ventilating and Shading; Marketing; Asparagus; Rhubarb; Lettuce; Cauliflower; Radish; Tomato; Cucumber; Muskmelon; Miscellaneous Vegetables; System of Cropping; Frame Crops; Mushrooms.

The price of the book is \$2.00 net, postage extra. For sale by HORTICULTURE Publishing Co.

Famous Discoverers and Explorers of America, by Charles H. L. Johnston. Each year about this time The Page Company, Boston publishers, send out a galaxy of new books of especial interest to young people and very suitable and acceptable as holiday gifts. This year's quota is fully up to that of previous years in the elements of popularity. The volume under consideration is not a fiction but a historically accurate account of the voyages, battles and hardships endured by the famous explorers of America from Leif Ericson in the year 1,000 down to Robert Edwin Peary of our day. The list as covered in the various chapters includes Leif Ericson, Christopher Columbus, Americo Vespucci, Juan Ponce de Leon, Vasco Nunez de Balboa, Hernando Cortes, Ferdinand Magellan, Giovanni Verazano, Francisco Pizarro, Herando de Soto, Samuel de Champlain, Henry Hudson, Pierre Esprit Radisson,

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Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 post-paid. I. L. PILLSBURY, Galesburg, Ill.

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Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. **NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.**

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to **PEACOCK DAHLIA FARMS, Berlin, N. J.**

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GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. **FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa.** Large breeding pairs for sale. Send for price list.

Father Marquette, Robert de La Salle and Robert E. Peary.

"'Twas the voice that called them onward,

'Twas the voice that is calling still,
And the voice will call till the end of it all,

And the voice has a conquering will."

This is a book of 430 pages, with 16 full-page illustrations. Price \$1.50.

The Spell of China, by Archie Bell, author of "The Spell of Egypt," "The Spell of the Holy Land," etc., with many illustrations from special photographs. A remarkable book, a narrative of travel in a land of strange sights told in a most fascinating style. There are fourteen chapters, illustrated by fifty-five full-page engravings of which six are in full color and truly superb and among which the gardens and landscapes centuries old are given a prominent place. A fine map of the Celestial Republic is inserted. Published by The Page Company, Boston. Price, \$2.50 net.

Under the Witches' Moon, by Nathan Gallizier.—A wierd and romantic tale of tenth-century Rome, with the scenes laid in the Eternal City. Full of dramatic episodes and well justifies the position given to Mr. Gallizier by many literary critics of being the

MISCELLANEOUS STOCKS

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Pansy Plants, Strong and stocky. Strains unsurpassed by any for Size of Bloom or Colors. \$2.50 per 1000, \$11.50 per 5000. Cash. Satisfaction or your money back.

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Peonies. The world's greatest collection, 1200 sorts. Send for list. **C. BETSCHER, Canal Dover, O.**

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Roses, Cannas and Shrubs. **THE CONARD & JONES COMPANY, West Grove, Pa.**

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Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. **J. H. TROY, Mount Pleasant Nursery, New Rochelle, N. Y.**

WIRE WORK

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

greatest writer of historical novels in America today. The Page Company, Boston, publishers. Price, \$1.50 net.

Sylvia Arden Decides, by Margaret R. Piper, author of "The Cheerful Book" and other interesting narratives. Sylvia, who was the heroine in the original *Cheerful Book*, is also the leading character in this. The scene of the new story is laid partly at Arden Hall and partly in New York. There is an abundance of merry humor in the story and it will make a charming gift for the miss in her teens. The Page Company, Boston. 455 pages; \$1.35 net.

What Allah Wills, A Romance of Morocco, the Land of the Purple Sun-

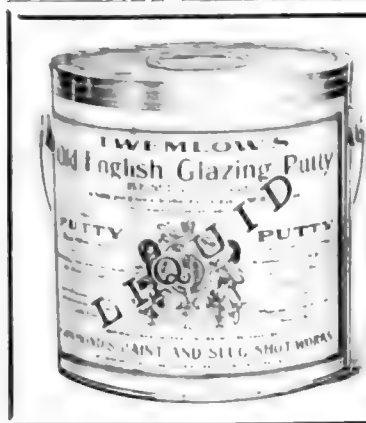
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FOR SALE—Greenhouse in Boston centrally located, doing large profitable retail business. Two acres of land, 12,000 ft. under glass. Building well stocked and in good condition. For further particulars write or call **J. H. BENTLEY, 95 Milk St., Boston, Mass.** Tel., Main 280.

FOR SALE

Complete set, six volumes in perfect condition, of the *Cyclopedia of American Horticulture* by L. H. Bailey. This is the original 1906 edition published by Doubleday, Page & Co., with the Synopsis of the *Vegetable Kingdom* inserted. Will sell cheap.

Address Bailey, care HORTICULTURE.



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Hammond Insecticides used by Florists and Gardeners for generations, and before this our putty was used on Hot Houses to ensure it did not wash off. Twemlow's Putty is unexcelled.

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"I like red pinks better than pink ones; but then it'll fade, anyhow, before night, so what's the difference!"

"But I should think you'd be glad they did fade," laughed Pollyanna, "'cause then you can have the fun of getting some more."

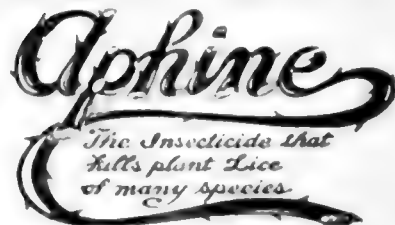
Just so; "another good idea," as Henry Penn would say.

The Annual Report of the Parks Department of the City of Calgary, Alberta, for 1916 comes to us bound in multigraphed typewritten form and is exceedingly interesting and instructive as to conditions and progress in that far-away country. Superintendent Wm. R. Reader, who has had charge of the Calgary Parks for the past four years, states that the citizens are apparently acquiring the "park habit" in a marked degree, whole families during the hot weather seeming almost to reside in them. The lists of material planted and improvements inaugurated during the past year speak well for the efficiency with which the department is conducted.

A very interesting "Leaflet" on Forest Problems of the Ashokan Watershed has just been published by the Brooklyn Botanic Garden in honor of the Catskills Aqueduct Celebration, with Norman Taylor as author. Particularly interesting as a feature of this bulletin is a list of the plants of the Catskill aqueduct region which make the higher points in this section their most southerly limits.

In our notes on new publications in the issue of November 3, we took occasion to mention in terms of high praise the program and handbook of the Sewickley (Pa.) Horticultural Society, published in connection with the recent exhibition of that Society. We gave credit to Secretary Carman for same, but have since ascertained that this admirable publication was not the work of the worthy Secretary but of a schedule committee consisting of A. Etherington, J. Barnet and M. Curran. The book has received much favorable comment.

Bulletin of Peony News, No. 5, together with the Proceedings of the American Peony Society for 1917 has just been issued. It is a 48-page pamphlet, edited by the Secretary of the Society, A. P. Saunders, Clinton, N. Y. Other contributors are Pope M. Long, Cordova, Ala.; Frank Wild Floral Co., Sarcoxie, Mo.; Benj. C. Auten, Carthage, Mo.; T. C. Thurlow's Sons, West Newbury, Mass.; J. F. Rosenfield, Omaha, Neb.; Mrs. Sarah A. Pleas, Whittier, Cal.



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NEWS NOTES.

La Grange, Ind.—John Vogt has purchased the greenhouses of Charles M. Hissong.

Vevay, Ind.—Chas. L. Kincaid, Route 4, has sold his greenhouse and business to Mrs. Michael Detraz.

Tarrytown, N. Y.—F. R. Pierson is having a fireproof seed house built in the rear of his office. He intends to have all the wooden structures connected with his establishment removed in time.

Watertown, N. Y.—The fourth annual chrysanthemum show, which opened at the Bennett greenhouses, 509 South Massey street, on Nov. 16, is said to be the largest ever presented by the local flower growers.

Utica, N. Y.—With a blaze that lighted the sky for miles around, fire destroyed a barn owned by Edward T. McQuivey, of 813 Genesee street, early on the morning of Nov. 20. Only prompt response by the firemen of Utica and New Hartford saved the greenhouses and several wagons in the barn from being prey to the flames. A rose garden in the rear of the barn was completely destroyed and water did some damage in the office of the greenhouses.

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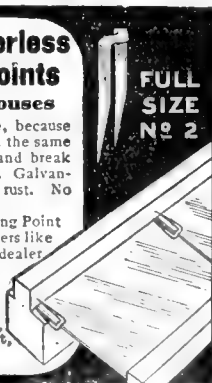
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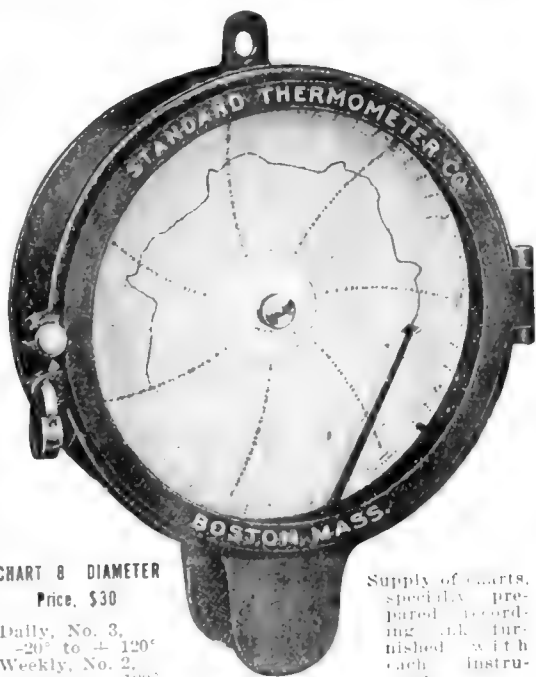


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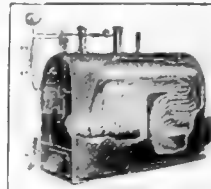
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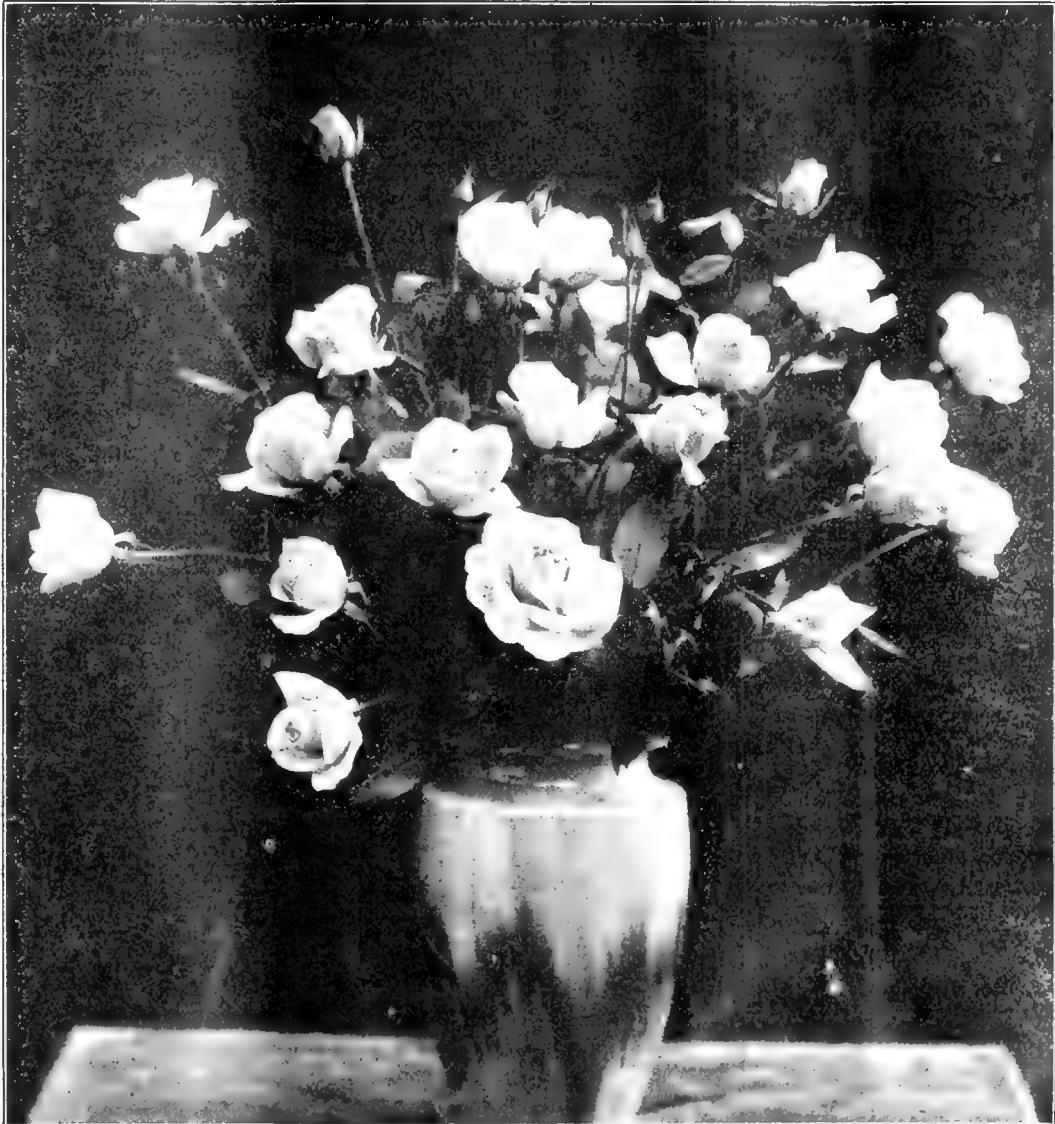
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NEW JERSEY

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LORRAINE, TURNFORD HALL, LONSDALE, FLORENCE DAVENPORT,
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5-inch, 75c. each; 6-inch, \$1.00 each; 7-inch, \$1.50 each.

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JACQUINIAEFLORE, ALSO MANETTIA BICOLOR.

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ISSUE of Horticulture, Dec. 15.

Horticulture's Readers Comprise The Cream of the Trade

Tell them what you have to sell and get your share or
their business.

Copy for this trade boomer should reach this office by Dec.
11; earlier if possible.

PUSH IT ALONG

ABOUT CARNATIONS

While strolling along the walks of my carnation houses and looking for possible troubles ahead or present, I could not help harking back to the time when I took hold of this place in February last and how few, if any of my fears at that time have been realized so far. As my going at the job was connected with some rather unusual and actually very unpleasant circumstances and as the present outcome is rather more than gratifying in every way, I thought I would let HORTICULTURE give its readers the benefit of my experience. May be some of my brother florists will be able to benefit thereby and, if not, it will at least be one way of passing a little time by reading.

My place consists of four houses, two running east and west and two north and south. They had lain idle and without the least of attention in repairs for about two years and the wind was blowing through their whiskeys pretty much. In two of the houses there were no benches—just the level soil; in the other two there were two benches in each, each 6 feet wide and not more than 3 feet from the glass at the sides. These houses are 16 by 75 feet; the others are 25 by 100 feet. I put in the glass and tidied up, got the heating (hot water) repaired and had the houses under control by the end of February, sowed and planted snapdragon, bachelor buttons, marigold, etc., on the benches. In the other houses I planted 4,000 gladiolus (America and Augusta) and started Market Queen asters. Then I ordered the carnation cuttings (13,000) and had the first lot coming and potted by March 2. From there on the cuttings came by degrees. Mostly on Saturday evening, so I could take a rest, potting and boxing all of Sundays. Now right here I should like to ask, why shippers are always so particular to have cuttings arrive at the other end at such a time? Search me; I do not know why! By April 17 I had all my cuttings, sixteen kinds, on the place and they were, a part of them, a sorry looking combination.

Now, as for the soil, there was no potting soil handy, so had to use the soil from the houses as it was. It had never before been changed and had for 4 to 6 years grown "cukes," sweet peas, beets, radishes and ferns, etc. It did not look inviting, but was used as it was, as no other could be gotten outside. The cuttings went ahead all right and began to crowd; not having much room to spare I had to wait till some of the early sowings were off the benches and then I planted all of the young plants on the benches into 4 inch "dirt bands" and gave them a dose of tankage mixed in the soil. Made it a business to yank out any plants that showed a yellow streak or hung back. The plants did exceedingly well and needed a lot of pinching right along, although the temperature went over 100 degrees many times in the houses, a condition that could not then be helped. The planting into the dirt bands was started April 7 and was finished May 9.

In the mean time soil was got ready in the field to take into the houses. The soil came from a field that had nothing on it but witch grass, but it had plenty of that and lots to spare. There may have been manure on that field some time within the last 100 years, but nobody hereabouts could remember when. We mixed some of that celebrated Boston horse manure (why call pure straw by that name?) with the soil at the rate of about 1 to 5, shook out the witch grass and after gladioli

and asters were out of the two larger houses we built beds on the ground with 12 inch pecky cypress (three inches into the soil). Before putting on the soil, 9 inches deep, the old soil got a good big dose of lime and ashes well spaded in. Then the plants from the dirt bands were planted into the beds in the two larger and into the benches in the two smaller houses 7 and 8 inches apart and the benches looked pretty full then. The planting inside was started June 23 and finished July 12. Between May 24 and 26 3,000 young plants from dirt bands were planted in the field on new turned sod without any fertilizer and did very well although the soil got some dry at times. As to those "dirt bands," they were a success; the plants never knew they had been moved and went right on growing, no leaves on the bottom shriveling up. These 3,000 plants were planted inside on solid beds August 23.

Now, as to feeding: The young plants in the dirt bands got one dose of dried blood while in the bands and how they did like it! After planting into the houses all the plants from the bands had the following: Aug. 7, 4 lbs. nitrate soda to 4 by 100 ft. bench; Aug. 15, 10 lbs. acid phosphate; Sept. 5, 10 lbs. tankage (16 per cent); Oct. 13, 8 lbs. tankage and $\frac{3}{4}$ lb. sulphate of potash; Oct. 24, 25 lbs. ashes and lime on 4 by 100 ft. bench; nothing more since.

The first strings and wires were in by August 10. Everything had the second deck by August 27, except the plants from outdoors. Started on third decks August 30 and September 28 the fourth wire went in. Since then a number of benches, like Benora, P. Delight, Alice and Peerless Pink have five decks and are looking for more. The feeding did not seem to do any harm, but it did make necessary a lot of disbudding.

The plants at present are fine, healthy and big and one mass of buds and flowers. There is no disease and only about twenty plants replaced on account of stem rot. The temperature has been and is kept between 50 and 70 degrees if possible, but has many times gone down to 42 degrees, because the heating apparatus proved not quite adequate and is being improved. Yet for all that there have not been more than about 200 splits and these only on White Perfection. We started picking September 11 and have picked heavy in October and November and from now on are going to do the real stunt. The flowers are as good as I shall ever want them and the stems make them hold up their heads.

The plants from outdoors are about seven weeks behind the others in the time of flowering; in fact are just now starting well, but they will make up in short order and I think will in time outdo the rest. The plants in the raised benches are not as strong or tall as those in the solid beds, even the same kinds and of lots of the same cuttings, but good enough to look at.

The plants, all of them, have never been watered overhead or sprayed, except in one or two small spots where some red spider tried to sneak in. For greenfly and thrips we evaporate Nicofume with alcohol lamps.

Now the above is my experience so far and where last spring I often lost hope I have now found all my fears come to nothing and things turned out O. K.

If any of HORTICULTURE'S readers can glean a morsel of a useful hint in this little tale I shall feel repaid for having attempted it. To those who do not need or do not want any of the above I make my due apologies.

Gustav Thommen.

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An interesting carnation experience

There is such a thing as adhering too closely to established precedent in the practice of any art and this is especially true in cultural matters, as has been proven repeatedly. Courage born of necessity and supported by intelligent direction will often stand a man in good stead when an attempt to slavishly follow "rule of thumb" methods would likely end in defeat. These thoughts came to mind as we read the copy for Mr. Thommen's notes on his experience with carnations which our readers will find on another page of this paper and which we hope will prove interesting to our carnationist friends. It would be difficult to imagine a much more forbidding prospect than this man faced last spring, yet the very conditions which according to all precept and rule

meant failure, were turned to account and the apparently impossible has been accomplished. We have seen the houses of which Mr. Thommen writes and can vouch for the truth of all he says. We have never seen anything to beat them in the way of a carnation crop at this season of the year.

"Lend a hand"

Our weekly report on the S. A. F. Publicity Fund in this issue shows that it is gradually creeping up in amount and is now well started on the last half of the required fifty thousand dollars. It is too early yet to say much about how or when the money is to be spent, questions that seem to perturb some of our readers. Thus far, everyone who has taken any active part in the work has shown unselfish loyalty and commendable diligence and there is no reason to doubt that the gentlemen upon whom the funds entrusted to them shall be used, will perform that duty wisely and with the best interests of the trade as their sole incentive. It is fully realized, we think, by the men who are carrying on this campaign that any mis-step in this initial movement would count heavily against its successful continuance and they may safely be trusted by their fellow florists who have so cheerfully contributed to this splendid effort for the advancement of commercial horticulture. Every possible encouragement should be extended to them to the finish. The motto for everyone now should be:

"To look up and not down,
 To look forward and not back,
 To look out and not in, and
 To lend a hand."

The fuel outlook

The sudden call by Secretary Young of the S. A. F. for a delegation of representative flower growers to go to Washington on Tuesday of this week was viewed with some alarm by the trade as indicating the approach of a serious crisis in the fuel situation. In another column of this paper will be found a statement of the results of this demonstration on the part of the flower industry. The position taken by the representatives of the U. S. government, as therein stated, seems reasonable and should relieve the anxiety of the trade to a considerable extent. The impressively representative character of the delegation which appeared before the Fuel Administrator on behalf of the florist trade was unquestionably a strong factor in the attention received. It is indeed fortunate for the flower industry that it is now so well organized and that the energies of its diversified interests are sufficiently co-ordinated to enable it to put up a strong and impressive front whenever its prosperity seems to be menaced. In this present exigency it is reassuring to learn that no specific discrimination against the flower growing industry is contemplated by the federal authorities and that the florist has the same chance, at least, to secure his coal as anybody else not engaged in business which is not directly imperative in the prosecution of the war. The admonition as regards curtailment in the use of coal should have strict attention and compliance. A deeper study of heating science and a watch against wasted greenhouse space and extravagance in the use of fuel should make possible a big saving in the aggregate amount consumed in greenhouse heating. We might add, also, that the practice of economy in this respect would result in better products—flowers of longer keeping qualities and much more satisfactory to the consumer.

THE COAL SITUATION

The question of a coal supply for florists is now approaching a critical point. Evidently, it is not improbable that an embargo will be placed on shipments of coal to growers, and, as Secretary of the S. A. F. and O. H., I have been in correspondence with W. F. Gude, Washington Representative of the Society, as to the advisability of having a delegation of our members appear before Coal Administrator Dr. Garfield in Washington to state the florists' side of the matter, and urge their claims to especial consideration, as exemplified in the following letter to Mr. Gude:

Mr. W. F. Gude,
1214 F St., N. W.,
Washington, D. C.

Dear Mr. Gude:

Referring to our recent correspondence in regard to coal supply conditions, I have made a somewhat extended inquiry as to the needs of establishments to whom inability to get a coal supply would mean little short of ruin, and I realize that the situation is serious.

If an embargo on coal for florists' use should go into effect, very many of our plant and flower growers would be ruined, for their stock would be killed by freezing and most of it could not be replaced. As this embargo, if it is instituted, must be ordered on the advice of Dr. Garfield, as Coal Administrator, no effort should be spared to get an interview with that gentleman, in order that the absolute requirements of our industry be understood.

When I say requirements, I do not mean that any of our florists will seek to obtain a supply of coal in excess of the amount actually needed to prevent freezing and consequent ruin of stock which has taken years to collect, but simply sufficient to insure that this loss shall be avoided.

I am sure Dr. Garfield would give consideration to the fact that the florists' urgent coal necessities cover only a period of sixteen weeks under average conditions, while the coal needs of other industries are existent practically fifty-two weeks in the year. Our need is to save our investments and keep our industry alive, rather than make profits similar to those accruing to industries which, perhaps, could suspend action without detriment to a particular business other than loss of profit during a period of inactivity.

Several of our members, leading growers of our industry, have expressed their willingness to appear before Dr. Garfield, or his representative, to explain the necessities of the situation, with a view to avoiding an embargo, which would perhaps, to a large extent, wipe out the florist industry and destroy the work of many years.

Yours very truly,

(Signed) JOHN YOUNG, Secy.

In the face of a seeming impossibility, Mr. Gude succeeded in obtaining an appointment for a hearing, and I at once telegraphed those who had expressed a willingness to join such delegation that an interview with Dr. Garfield had been fixed for Tuesday, December 4th, at 3 p. m.

Irrespective of any favorable result which may come from this interview, there is much that florists in all parts of the country who anticipate a shortage of coal can do individually. Each should get in touch with State or local Coal Administration Commissioners and state what his requirements will be as to an adequate supply of coal to carry his stock through the freezing period. It is absolutely inadvisable to ask for assistance further than is required for the period when the degree of cold would injure or destroy stocks, as to ask for more would prejudice proper consideration of the claims in the circumstances.

My letter to Mr. Gude embodies an argument which could with justice be used when approaching a commissioner, and I would urge immediate action on the lines suggested.

It is not the case of the florist business being scheduled as a "non-essential"; it is rather a question of a florist being ruined through the withholding of a coal supply sufficient to insure his stock against total destruction.

JOHN YOUNG, Secy.

THE FLORISTS' FUEL CONFERENCE AT WASHINGTON.

The notable event of the week here was the visit of a delegation of flower and plant growers under the leadership of Secretary Young of the S. A. F. and W. F. Gude, Washington representative of the S. A. F., to interview the Fuel Administrator on the situation as regards the supply of coal for greenhouse use this winter. The delegation numbered about thirty, representing the florists' organizations of twenty-three states. They met on Tuesday morning at the store of Gude Bros. and there carefully mapped out their plea, showing the ruin that would follow the closing up of florists' greenhouses should they be deprived of coal. This was embodied in a paper prepared by a selected committee of five and presented in the afternoon at the office of Fuel Administrator Garfield through his representative Mr. Noyes.

The visitors were courteously received and the interview lasted for nearly two hours. They were told that no classification of essential and non-essential industries had been made and that nothing of the kind was contemplated. It was plainly stated, however, that whenever and wherever coal was needed by the Government for industries necessary to the prosecution of the war it would be taken wherever found. Florists will get all the consideration that any business will. They were advised to get busy with their respective local dealers and secure needed coal, and in view of the shortage, the sooner the florists do this the better for them. Extreme economy in the use of fuel was urged and it was intimated that a reduction of at least 25 per cent. in the amount of coal used in greenhouses this season was regarded as quite practical and should be effected.

MASSACHUSETTS MARKET GARDENERS.

The Market Gardeners Association of Worcester county met in Horticultural hall, December 1, and elected these officers: President, H. A. Cook; secretary and treasurer, H. A. Midgley; vice-presidents, Louis Ellsworth, Fred Midgley and Charles Greenwood, all of Worcester, and Park Webb, of Wilkinsville. Springfield, Boston and Worcester each have a Market Gardeners' Association and plans for bringing the three together were discussed last night. H. A. Cook and H. R. Kinney were elected a committee to represent the Worcester society. A meeting in regard to the state Market Gardeners' Association will take place Jan. 5.

GROWING VIBURNUMS FROM SEED

Seed of the native American *Viburnum* fully matured do not germinate the first season following. Neither do they have the same period of germinating. *Viburnum americanum* and *lentago* germinate in September the second year and the seeds should be cleaned free from pulp as soon as collected and sown at once in seed bed or held stratified in damp sand until August and then sown. The seeds of these two *Viburnum*s if well cleaned and held in naturally damp sand keep well. If sown in seed bed as soon as collected, there is the difficulty of keeping the weeds out of the seed bed and also to keep the seed bed damp in order that the seeds do not get dried out and their germinating quality impaired or destroyed. The most efficient and surest method is to hold the seeds stratified in damp sand.

In growing seedlings of trees and shrubs, a most essential aid is old well rotten and well pulverized manure. Sow the seeds and cover lightly with soil and then immediately give the seed bed broadcast a coat of this old rotten manure as deep as the seedling can push up through. It is a good plan to set a small stick at the ends of each row of seeds and apply the manure more heavily in the spaces than over the seeds, then when the young seedlings get above ground sufficiently, this fine manure mulch can be drawn in about the stems of the young plants.

Two difficulties will be met in growing these two *Viburnum*s. As the young seedlings germinate and get above ground very late in the season and are tender, October frosts often seriously injure them in the stalks and rarely in the leaves. The fine manure banked about the stems in October will nearly always save these plants from hard freezing in October and early spring. *V. americanum* and *V. lentago* have flat seeds which are the seed leaves and which cling to the stems and make it difficult for the young seedling to push up through heavy soil. Light covering of soil and fine manure mulch enables the seedlings to get out of and above ground. The above directions faithfully followed will enable anyone to successfully grow *V. americanum* and *V. lentago*.

Viburnum americanum is the native American High Bush Cranberry which is far superior to *V. opulus* for northern planting and the stock of this variety is very scarce in this country and in great demand. The demand for this variety is rapidly increasing and much faster than the supply.

A. H. LAKE.

Marshfield, Wis.

PERSONAL.

Alexander Forbes, Jr., of Newark, N. J., and Miss Sarah I. Parker, of Jersey City were married on November 21 in Jersey City.

A. N. Pierson of Cromwell, Conn., is reported to be seriously ill. It is to be hoped that he may have an immediate and complete recovery.

THE S. A. F. PUBLICITY CAMPAIGN

President Kott has appointed Henry Penn, of Boston, chairman of the Publicity Committee, to fill out the term of W. F. Lockhart. Penn's term will expire on December 31st, 1921. Mr. Penn and his committee will meet with the Publicity Finance Committee at the Hotel Hollenden, Cleveland, Friday, December 7th. The committees will remain in session until all business presented is disposed of.

In order that all florists and members of the allied trades may have an opportunity of subscribing to the National Fund for Publicity, the country has been portioned off so that each member of the Finance Committee will have a certain number of states under his direct charge. The State Chairman will be requested to appoint a florist in each county, to be known as the County Chairman, to canvass his particular county thoroughly, reporting subscriptions to the State representative, who will report them to the Finance Committee.

Following is the division of states as it appears at present:

F. L. ATKINS, RUTHERFORD, N. J.
New York, New Jersey, Delaware, Georgia, Florida, Alabama.

HERMAN P. KNOBL, CLEVELAND, OHIO.—Ohio, Kentucky, West Virginia, Tennessee, North Carolina, Pennsylvania, Virginia, South Carolina, Indiana.

WALLACE R. PIERSON, CROMWELL, CONN.—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, California, Washington.

GEORGE ASMUS, CHICAGO, ILL.—Illinois, Wisconsin, Minnesota, North Dakota, South Dakota, Nebraska, Iowa, Missouri, Kansas, Arkansas, Louisiana.

HOLIDAY MUSINGS.

This year, more than any other, seems to offer to the florist the opportunity to increase his sales and bring prosperity. The world war has given the word "conservation" a great popularity, but just what does the practice of conservation embody? Many have believed it has meant saving—saving everything from food and money to clothing, even reducing weight. Now, to me this is radically wrong. The health of the nation must be kept at any cost. It isn't that we must eat less, but rather more wisely—not that we should spend less, but spend more judiciously. Money should be kept in circulation.

The Christmas gift season is approaching rapidly and many florists are already making their plans. In previous years candy has made a favorite and appropriate gift. The great and universal shortage of sugar this year makes it a necessity to select some other gift. Here, then, is the



HENRY PENN,
Chairman Publicity Committee

JOHN YOUNG, NEW YORK, N. Y.
Montana, Idaho, Nevada, Arizona, Colorado, New Mexico, Wyoming, Oklahoma, Texas, Utah, Mississippi, Maryland, District of Columbia.

Members of the local committees will please remember that the minimum amount for subscriptions is to be \$5.00, and the Finance Committee, while requesting that the subscriptions be made annually for a term of four years, state that subscriptions made for one or more years will be cheerfully accepted, and a united effort will now be made to secure the \$50,000 required by Dec. 31st. The expenses of the local Chairman engaged in raising the fund is limited to the cost of postage, stationery, subscription blanks and everything required for the work will be furnished by the Finance Committee.

chance for the florist to get in a little opportune advertising. Let flowers replace candy. This, I believe, should be a trump card in our advertising campaign this year.

The advantages of flowers for gifts are readily observed. Candy feeds the stomach, while flowers feed the soul. Flowers are uplifting, cheer the sick, and bring to us the higher principles—the nobler impulses of life. Flowers, too, are much more lasting and more appreciated as a gift. They signify the highest purposes of life and represent the noblest gift of one person to another. From time immemorial man has tendered gifts of flowers as expressions of his deepest affections. Why, then, should not civilized man appreciate the flower as a gift. The man who selects flowers for gifts not only expresses his deepest appreciation and affection, but also serves his country.

CARRICK E. WILDEN

Chairman Asmus reports the following additional subscriptions:

By Wetherspoon Bros. W. J. Butler, Kansas City, Mo. \$5.00 (one year); H. F. Henry, Galesburg, Ill., \$5.00.

By John W. Dineen, Nellie's Greenhouses, Pullman, Wash., \$5.00 (three years); H. I. Olson Co., Inc., Spokane, Wash., \$5.00; Spokane Greenhouses, Inc., Spokane, Wash., \$10.00 (one year); Young & Lester, Walla Walla, Wash., \$5.00.

By Wallace R. Pierson, A. C. Stevens, New Britain, Conn., \$10.00; S. E. Curtis, Plantsville, Conn., \$5.00; John R. Coombs, West Hartford, Conn., \$5.00; Eugene S. Drake, Hartford, Conn., \$10.00; Geo. McChine, Hartford, Conn., \$15.00.

Through the Secretary's Office: J. Walsh & Son, Malden, Mass., \$5.00; Edw. Green, San Antonio, Texas, \$10.00.

By Henry Sheppard, J. Chas. McCullough, Cincinnati, Ohio, \$25.00 (1 year); Frank A. Volz, Cincinnati, Ohio, \$5.00 (1 year); Wm. Murphy Co., Cincinnati, Ohio, \$20.00 per year.

By A. A. Nielsen, Whilldin Pottery Co., Philadelphia, Pa., \$50.00.

By C. F. Rice, Minneapolis, Minn.—Neil Neilson, Mankato, Minn., \$5.00.

By H. Niklas and the Portland Floral Society: Clarke Bros., \$25.00; Martin & Forbes, \$25.00; Niklas & Son, \$10.00; F. A. Van Kirk, \$5.00; Tonseth Floral Co., \$5.00; Wiseman Bros., \$5.00; Swiss Floral Co., \$15.00; E. J. Steele, \$10.00; all of Portland, Ore.; Wm. Dungee, Jean Robinson, John Zimmermann, Thompson Horticultural Works, E. G. Wood, collectively, \$12.50.

By D. C. Horgan, West View Floral Co., Atlanta, Ga., \$10.00.

By Florists' Telegraph Delivery Association: Rentschler Floral Co., Madison, Wis., \$10.00; H. E. Wilson, Rochester, N. Y., \$10.00; Williams & Co., South Bend, Ind., \$25.00; Duluth Floral Co., Duluth, Minn., \$10.00; W. C. Campbell, Lawrence, Mo., \$10.00; Joseph Baneroff & Son, Cedar Falls, Iowa, \$10.00; Mills, the Florist, Inc., Jacksonville, Fla., \$10.00; Wetlin Floral Co., Hornell, N. Y., \$5.00; Jas. W. Begbie, Shreveport, La., \$10.00; The Minge Floral Co., Mobile, Ala., \$25.00; I. L. Pillsbury, Galesburg, Ill., \$10.00; Fred H. Lemon, Richmond, Ind., \$10.00; Carey & Koehle, Oranston, Ohio, \$10.00; Edlefson Laddie Co., Milwaukee, Wis., \$10.00; The Flower Shop, Pittsfield, Mass., \$10.00; Saltford Flower Shop, Poughkeepsie, N. Y., \$25.00; Joseph Traut, Canajoharie, N. Y., \$10.00.

Total, \$532.50. Previously reported from all sources (corrected), \$25,190.50. Grand total, \$25,723.00.

JOHN YOUNG, Secy.

Dec. 3, 1917.

NATIONAL ASSOCIATION OF GARDENERS.

The annual convention of the National Association of Gardeners, which opened in Chicago on December 5, was a pronounced success in all respects and cannot fail to result in greatly increased influence for the organization and benefit to the gardening profession. The attendance was large and well representative of the east and west sections of the country. New officers were elected as follows: President, Robert Weeks, Cleveland, Ohio; vice-president, P. W. Popp, Mamaronck, N. Y.; treasurer, Ernest Guter, Pittsburgh, Pa.; secretary, M. C. Ebel, Madison, N. J.; trustees, Peter Duff, Orange, N. J., Anthony Baur, Deal, N. J., Theodore Wirth, Minneapolis, Minn., Arthur Jackson, Detroit, Mich., Cleveland, Ohio, was chosen as the meeting place for 1918.

WAR TIME POLICY

IT is a natural policy to economize during war times and one of the first things a florist sacrifices is his supplies. Do not make such a mistake, Mr. Florist. Compare our prices with those you have been paying—note the economy—and then buy your supplies.

Our Policy—Highest Quality, Large Sales with Small Profits

By this Policy—The **BOSTON FLORAL SUPPLY CO.** has built up its business structure beginning with a small room and ending with a large manufacturing plant.

This building up of our business has been made by giving our customers the squarest deal possible. Mr. Florist, you cannot afford, **especially now**, to pass us by without consideration.

IMMORTELLES—25c per bunch, or \$23.00 per hundred.

RUSCUS—RED—80c per pound, beautiful red color.

RED ROPING—65c per ball, large ball and full measure.

POINSETTIAS—from 95c to \$9.40 per gross. These Poinsettias are very beautiful.

GALAX—75c per 1,000

LAUREL FESTOONING—5c, 6c, per yd.

FERNS—\$1.15 per 1,000

LEUCOTHOE SPRAYS—75c per 100

BOXWOOD—18c per lb.

Remember that all our goods are guaranteed. Your money will be refunded if not satisfied.

MANILA BOXES			BOUQUET BOXES		
Size	per 100		Size	per 100	
18 x 5 x 3	\$2.40	28 x 8 x 5	19 x 9 x 8	\$7.00	
21 x 5 x 3½	2.80	30 x 8 x 5	WREATH BOXES		
24 x 5 x 3½	3.40	30 x 8 x 5	16 x 16 x 7	\$7.60	
28 x 5 x 3½	4.20	30 x 12 x 6	18 x 18 x 8	9.20	
21 x 8 x 5	4.20	36 x 14 x 6	20 x 20 x 9	11.20	
30 x 5 x 3½	4.60	36 x 12 x 6	22 x 22 x 9	13.20	

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Prices subject to change without notice.

CHICAGO Y. M. C. A. WAR FUND FLOWER SALE.



The largest sale of the day was the vase of Columbia Roses sent for this occasion by the E. G. Hill Co., which was sold at \$100. Photograph of this rose with Miss Gertrude Amling was shown in the Chicago Tribune.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Reports of Committees.

Exhibited at Boston, Nov. 17, by S. R. Cowey, Walpole, N. H.; var. Nashawtue, yellow, Jap. Inc., Com.

Meetings Next Week

Monday, Dec. 10.

Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, Baltimore, Md.

New York Florists' Club, Grand Opera House, New York City.

Rochester Florists' Association, 95 Main St., East Rochester, N. Y.
Cincinnati Florists' Society, Hotel Gibson, Cincinnati, O.

Tuesday, Dec. 11.

Newport Horticultural Society, Newport, R. I.

Wednesday, Dec. 12.

Cincinnati Florists' Society, Jabez Elliott Flower Market, Cincinnati, O.
Dutchess County Horticultural Society, Fallkill Bldg., Poughkeepsie, N. Y.

Lenox Horticultural Society, Lenox, Mass.

Morris County Florists' and Gardeners' Society, Madison, N. J.
Nassau County Horticultural Society, Pembroke Hall, Glen Cove, N. Y.

Thursday, Dec. 13.

Menlo Park Horticultural Society, Menlo Park, Calif.
New London Horticultural Society, Municipal Bldg., New London, Conn.

Friday, Dec. 14.

Connecticut Horticultural Society, County Building, Hartford, Conn.
Westchester and Fairfield Horticultural Society, Dorcas Hall, Greenwich, Conn.

points 85; var. Abenague, yellow, Jap. refl., Com. points 85.

CHAS. W. JOHNSON, Secy.

CHICAGO Y. M. C. A. WAR FUND FLOWER SALE



A. N. Pierson's new rose, Mrs. H. Winnett, at the Chicago Y. M. C. A. War Fund Flower Sale

DURING RECESS.

Chicago Bowlers.

The Chicago Bowling Tournament is under way and the Chicago Florists' Bowling Club is entered on Dec. 12th and 13th to play two men and singles. The singles are J. Huebner, Wm. Lorman, Joe Einwick, Allie Zech and Peter Olsem. The doubles are J. Huebner and J. Einwick, W. Lorman and P. Olsem, F. Price and A. Zech. The tournament covers seventeen days and is at Binsinger's Randolph Alleys at 8 p. m.

THE FUTURE OF FLOWER GARDENING IN AMERICA

DAVID BURPEE, Secretary of the American Gardeners' Association

Several months ago your secretary invited me to attend the Convention of American Gardeners and I hesitated in my acceptance because, even then, I was afraid that it would be impossible for me to be in Chicago the early part of December. The great rush of work at this time preparatory to our busy season prevents my leaving Philadelphia, and it is with great regret that I send this paper instead of appearing before you in person.

My whole heart is with the work of the American gardener and if it were not that we are just now incorporating the firm of W. Atlee Burpee & Co., I would feel inclined to break away from the busy routine of work and to afford myself the pleasure of a day with you in Chicago.

When I told my uncle, Alex. Scott, I was going to deliver an address to some gardener friends on the "Future of Flower Gardening in America," he said, "David, you better get Kerr or Rockwell to write that paper for you." But I decided that I would talk to you myself,—that there was something more than the mere methods of gardening of which I wanted to speak.

With us all it is the same—our "hindsight" is better than our foresight—we can read the past more clearly than the future. Nevertheless, by the study of the past and the present tendencies of progress, we can to some extent predict what those tendencies will bring forth in the years to come.

There are two important phases to the development of flower gardening which I want to emphasize. We might call them the practical and the popular. By the practical side of the flower gardening I mean the development of actual gardening itself,—the science and the art of gardening, not only the improvement in methods of culture, but also the development of new and improved types of flowers and ornamental plants. The development of the art of flower gardening through the ages past has followed closely the development of the human race itself. As mankind has become more civilized and more refined, as we have gotten away more and more from the caveman stage, the aesthetic side of our nature has developed and our spirit has cried out more and more for that which is beautiful. It is this ever increasing desire for the delicate beauty expressed only by flowers that has justified and has even compelled the development of flower gardening to its present stage.

I believe, therefore, that the popular side of flower gardening is more im-

portant than the practical—the desire for the beautiful is more fundamental than the means by which we may obtain it. It would be ridiculous to suppose that progress could be made in any line of endeavor without first having kindled the fire of desire.

In years past great mystery surrounded the work of the professional gardener. He had gotten his experience through long years of hard knocks and he was loath to tell the amateur the whys and wherefores of his art. The practical side of flower gardening was left almost entirely in the hands of the professionals. But as the desire on the part of the amateur became greater and greater, he began to delve more and more into the mysteries of flower gardening. Some professionals seemed to think that this would work hardships on them, but in reality it has broadened the field for their profession.

This general tendency towards the growing of flowers should be encouraged by all. It is merely the expression of a great desire on the part of the human race which must be met and it grows stronger year by year. It is like a snowball that starts to roll at the top of a hill and grows greater the further it rolls. There is a cumulative effect. The more we grow flowers the more demand there will be for flowers and the more demand there will be for the service of the professional flower gardener. And as this desire for the beautiful grows greater, the number of flower gardens throughout the country will increase until the supply meets the demand. But that will be a long distance in the future, and I even question if the supply will ever equal the demand, for there must always be more people who would like to have flower gardens around their homes than there are those who actually have them. Who was it that said, "Every Garden Means a Home?"

I might go further and say, "Surely every Flower Garden means a happy home."

Nine or ten years ago I first went to Europe to inspect seed crops with my father. We traveled through England, Scotland, Ireland, Holland, France and Germany and got out into the rural districts of each country. I was greatly impressed that in every little town the homes were surrounded, not by the lawns that one find in America, but wherever space permitted there was a flower garden. Rambler Roses, Wistaria, or other climbers were to be found over the doorways, and on the small plots of ground either side of the little path leading to the house were old familiar flowers. It is needless to say that this warmth and beauty about the homes has added much to the happiness and contentment of the national life.

In America, and all new countries, we have been so busy developing our national resources and material wealth that we have neglected some of these finer things that we are now learning more to appreciate. Flower Gardening in America has not yet reached its normal level. The people of America are just beginning to awaken to the advantages and charms of the flower garden. So in the future we can expect to see far greater progress made

CHRISTMAS PLANTS

Edgar Quality—None Better

BEGONIAS, Mottor and Cincinnati	6 1/2 in. pots,	\$18.00 and \$21.00 per doz.
BEGONIAS, Lorraine	6 1/2 in. "	12.00 and 18.00 "
CHRISTMAS PEPPERS	6 in. "	6.00 "
CYCLOPS	6 in. "	18.00, 8 in. 21.00 "
CYCLOPS	8 in. "	36.00 and 60.00 "
EUPHORBIA, fine bushy pans	4 in. pans,	9.00 5 in. 12.00 "
EUPHORBIA, fine bushy pans	6 in. "	18.00 and 21.00 "
EUPHORBIA, cut		15.00 and 25.00 per 100
EUPHORBIA, extra fancy cut		35.00 "
ERESIA	6 in. pots,	12.00, 8 in. 18.00 per doz.
POINSETTIAS, single	5 in. "	9.00 "
POINSETTIAS, single	8 in. pans,	15.00 and 18.00 "
POINSETTIAS, cut		35.00 and 50.00 per 100
PRIMULA Chinensis	5 in. pots,	4.00 per doz
PRIMULA Obconica	5 in. "	3.00 "

FERNS, PALMS AND DECORATIVE PLANTS

As no Azaleas have arrived this year, we shall have but a small number. Other stock will be scarce and orders will be filled in rotation.

Get Your Orders In Now

WILLIAM W. EDGAR COMPANY

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Primula Malacoides Townsendii

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First-class certificate of merit awarded by New York Florists' Club, Nassau County Horticultural Society and Oyster Bay Horticultural Society.

Out of 2-inch pots, \$1.50 per doz., \$10.00 per 100; 3-inch pots, \$2.00 per doz., \$15.00 per 100.

Individual flowers as large as a 25c.-piece.

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Send Your Xmas Orders to this Old Reliable Establishment for

ROSES, CARNATIONS,

Valley, Sweet Peas, Lilies, Narcissi, Violets, Calendulas, Snapdragons, Callas, Mignonette, Daisies, Feverfew, and all other seasonable stock; also Greens, such as Ferns, Asparagus Sprenger, Green and Bronze Galax, Leucothoe Sprays, Adiantum, Mexican Ivy and Boxwood. We have Home Grown Asparagus, hence never a shortage here.

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CUT FLOWERS

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SHIPPING ORDERS GIVEN CAREFUL ATTENTION

We are in daily touch with market conditions and when a decline takes place you can rely upon orders sent us receiving such benefits.

in flower gardening in America than in any European country.

Because of the abnormal conditions existing today flower gardening has received a severe shock. But the desire for flowers persists perhaps even more strongly than ever before. It is actual necessity that prevents many people today from surrounding their homes with the uplifting and refining influence of flowers. Never was there such need in the world for the influence of the delicate beauty which is produced only in the flower garden. We who have made gardening our life work should now do all we can to gladden the hearts of the sick. Yes, because of the waste of war actual flower gardening has suffered—but when peace comes and the pendulum again swings the other way, flower gardening will find that it has even a greater place in the sun—Flower Gardening in America has indeed a glorious future.

VEGETABLE FORCING

By Prof. R. L. Watts

Which has just come from the press. This book was produced in response to numberless inquiries for a practical up-to-date volume on the forcing of vegetables. In our judgment it is the most complete, final and authoritative work on forcing ever issued. The author of this intensely practical book has had a large experience in growing crops under glass. He gives clearly and concisely, complete instructions covering Greenhouse Construction, Soil, Preparation, Insects, Diseases, Marketing, Cropping System, and the growing of all of the most important Vegetable Forcing Crops. The book will be found equally valuable to amateurs and experienced gardeners.

Price Net \$2.00. For Sale by
HORTICULTURE PUBLISHING CO.
Boston, Mass.

MASSACHUSETTS AGRICULTURAL COLLEGE.

The Massachusetts Agricultural College Ten Weeks' Course will open December 31, 1917. Courses will be given in Horticulture, Agriculture, Science, Economics and Sociology. The instruction in Floriculture is accompanied by courses in Plant Pathology, Entomology, Landscape Gardening, and Soil Fertility. The course in Floriculture will cover Greenhouse Construction and Management, lectures on Commercial Crops, Propagation, etc. Work on Garden Flowers includes lectures on annuals, biennials, perennials, bedding plants, gardens and garden management. The expenses for the course are not great and \$125 should cover everything, including room, board, books, supplies, and student affairs. A bulletin has just been issued and may be obtained by addressing the Supervisor of Short Courses, M. A. C., Amherst, Mass.

Experiments on the control of Cyclamen Mite are under way. James Whiting, foreman of the greenhouses, and S. C. Vinal, entomologist of the experiment Station, are cooperating in the work, and it is expected that some valuable data will be ready in a short time.

Work on the problem of the Possibilities in Seed Production in this country has begun. All suggestions which seedsmen, florists, and market gardeners offer will be most cordially

accepted by the department. The work is for your benefit and we want your cooperation. Address your letters to the Department of Floriculture, M. A. C., Amherst, Mass.

Last Tuesday Aubrey Butler of Butler & Ullman's of Northampton addressed the club on Retail Store Management. The talk was interesting and instructive and gave the students an idea of the great number of details that come up in the retail store.

St. Louis.—The florists' party masquerade dance will take place Dec. 12th at Westminster Hall.

Xmas Supplies

RED RUSCUS.....70c. per lb.
RED FRIZ.....55c. per 60 yards
IMMORTELLES.....25c. per bunch
RED POINSETTIAS, for basket, etc.,
\$1.50, \$3.00, \$4.00 and \$5.00 per gross
Large size.....\$10.00 per gross
RED TEAZELS, with Thistle Blooms,
\$6.00 per 100.

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Write for lowest prices on
HOLLY, BOXWOOD, GROUND PINE
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THE FARMERS WAR RESPONSIBILITY.

At the present time, the American citizen, the farmer, is faced with the enormous ultimate consequences of the war. The first and foremost of these is the production of food and feed for his own use and for the use of his fellow citizens. They must be produced in adequate quantity and quality, without which they are certain to fail.

But in his field, far from the fury of battle, far from either the adventures or the horrors of the firing-line, the American farmer will say whether autocracy or democracy shall rule the world during the seasons that are to come.

In a sense the war will be won or lost in the fields, gardens, orchards, pastures and hog lots of the American farmer.

The hope of the American citizen, not a farmer, also hinges upon adequate agricultural production. Our aeroplanes are useless, our guns are spiked and our rifles jammed, our shells are but as harmless baubles, if the farmer fails. This must be understood in all its grim force by every man, woman and child in America; by farmers and by those who are not farmers.

With food we can win the war.
Lack of food will lose the war.

Whether or not we produce the food depends upon whether or not each and every individual farmer does his level best on his farm—produces its maximum.

The agricultural problem today means to every American, and indeed to every civilized person on earth, simply whether he shall, when this strife ends, be a free person in a free land or whether he shall be bossed from Berlin.

That is the precise interest that you, now reading these lines, have in the agricultural problem in America today. You may have been a farmer all your life or you may not know the difference between a straight furrow and a threshing machine—no matter what your condition may be, one of the two divisions of the agricultural problem is yours: to produce food or to conserve food.

Many people have thought of the war as "far away," as a remote, impersonal thing, a sort of dreadful nightmare—but not as a spectre manning our immediate persons and property, our appreciation of the actuality is more poignant now, with our own flesh and blood upon the firing line. That firing-line is in France today. It will come to America if the farmer fails.

No matter what course military strategy may take, the final battlefield of the war is already fixed. The



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Waterloo of the Prussian autocrat and all he stands for, or the Waterloo of American liberty—the end of autocracy or the end of democracy—the end of Prussianism or the end of freedom—will be wrought on the battlefield of the American farm—every American farm.

No conceivable responsibility could be more grave, no privilege more proud, no opportunity more rich for significant service than the American farmer has today. The war has sounded a call to duty to every individual throughout civilization. The course of the individual life is not now to be considered in terms of self. The question dominating every individual is for what service can he be used—what can he best do to help win the war. To some the call comes to march away with uniform and gun, to some it comes for the organization and administration of parts of the great war machine—to the American farmer comes the call to feed the forces fighting for liberty. To every other man, woman and child comes the call to save.

That about sizes up your personal interest in the Nation's agricultural production and conservation program.

CLARENCE DUBOIS.

Dept. Agri, Washington.

BIG MASSACHUSETTS CORN SHOW.

Worcester will see the biggest corn show that has ever been held in New England when the Massachusetts State Board of Agriculture meets there on January 8, 9 and 10, 1919 for its 55th Annual Public Winter Meeting. A Corn Show is held annually in connection with the Board's winter meeting, but the plan is this year to have the show the "biggest ever." The prizes offered will be larger, and additional classes have been added to the show.

One difficulty with growing corn in New England is that our seasons are liable to be cut short at both ends—by late frosts in the spring and early frosts in the fall. To encourage the development of a variety of short season corn the Board is offering special prizes for ninety day varieties.

This year there has been a large increase in the corn acreage of Massachusetts. The golden grain, adapted to an almost infinite variety of uses for man and beast, has always been an important crop here, and is becoming more so as the price of Western corn rises. Our farmers are finding that they can raise corn for sale at a profit, while our stock feeders and dairymen find that they must raise more home grown feed or go out of business. It is expected that the Corn Show at Worcester will give tremendous impetus to this branch of the farming industry and our Massachusetts farmers will be well repaid by attendance.

Premium lists for the Corn Show may be secured by writing Wilfrid Wheeler, 136 State House, Boston. An exceptionally live program of speakers is being arranged in connection with the show, details of which will be announced by the Board later.

S. D. Woodruff & Sons have extended the quarters in New York, taking in the building at 217-221 Washington street to meet the demands of their business.

Arthur T. Boddington Co., Inc. SEEDSMEN

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DUTCH BULBS

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Keystone Snapdragon Seed. Winter Blooming. \$1.00 per pkt., 6 pkts for \$5.00.

Fancy Seed. Finest Florists' Mixture. \$6.00 per ounce.

Mignonette. Giant Greenhouse Grown. \$8.00 per ounce.

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Per 1000

White Roman Hyacinths.....	830.00
Named Hyacinths, extra 1st size	38.00
Single Early Mixed Tulips.....	6.00
Mixed Darwin Tulips.....	8.00
Chinese Sacred Lilies.....	85.00
Narcissus, all sorts mixed.....	4.50

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8/11, 225 to a case.....	\$30.00 per 1000
9/10, 200 to a case.....	85.00 per 1000
11/13, 100 to a case.....	15.00 per case

LILIUM FORMOSUM—Black Stem

8/10, 200 to a case.....	\$30.00 per 1000
9/10, 180 to a case.....	90.00 per 1000
11/13, 100 to a case.....	16.00 per case

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13x15 ctm.....	\$5.00 per 100	\$50.00 per 1000
15 ctm. and up.....	7.00 per 100	65.00 per 1000

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Of Interest to Retail Florists

ATTENTION F. T. D. MEMBERS.

Christmas Day is right before us and we must do all the advertising to the public for out-of-town orders as we possibly can.

Be sure and always use the latest list of members sent to you and keep it right handy so you may be able to tell your customer at a moment's notice who is going to fill your order in the respective town.

I am sure that for Christmas we will get a great many orders to fill from enlisted men for their mothers, sweethearts and relatives at home. It is up to every F. T. D. member to do their best to keep the retail florist business going during these hard war times.

Do your best and co-operate with your F. T. D. officers. Look over your accounts the first of the month and send in all bills due you from out-of-town florists, whether F. T. D. members or not; we will try to collect all of them and keep a close record in the Clearing House.

ALBERT POCHOLON, Secy. F. T. D.

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Phoenix, Ariz.—Altman's Flower Shop, 17 E. Adams St.

Jersey City, N. J.—James A. Sullivan, 812 Newark Ave.

Miami, Fla.—Exotic Gardens, 12th St. and South River Drive.

New York, N. Y.—Kottmiller, Ritz-Carlton Hotel, branch store.

Los Angeles, Cal.—Mrs. S. A. Moir, succeeding Abbey Flower Shop.

San Francisco, Cal.—Miss R. L. Murray, Bellevue Hotel, succeeding Bellevue Florists.

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HARRY I. RANDALL, Proprietor.

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Albany, N. Y.—The Rosery, 23 Steuben St.

Bangor, Me.—Adam Sekenger, 32 New-
bury St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 124 Tremont St.

Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, O.—Adam Graham & Sons,
5523 Euclid Ave.

Cleveland, O.—Knoble Bros., 1836 W. 25th
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St. Paul, Minn.—Holm & Olson, Inc.
Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F
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Every Order sure to receive
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The Far-Famed Flowers of
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Delivered on mail or telegram order for
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8-10 West Adelaide St. - TORONTO, ONT.

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Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
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106 STATE STREET, ALBANY, N. Y.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
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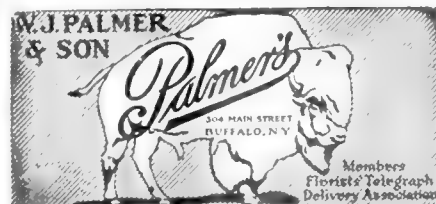
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KERR ORDERS FOR TEXAS
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BOXWOOD

\$15 per 100 lbs.

The small or large leaf variety. The best we have ever handled. Let us book your order now.

THE LEO NIESSEN CO.

N. W. Corner 12th and Race Streets
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FLORAL NURSERIES

GROWERS AND WHOLESALE

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Office and Wholesale Store, 9 So. Mole St.,
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OUR SPECIALTIES

ROSES, GARDENIAS, ORCHIDS, PLUMOSUS,
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Special for Xmas, **RICHMOND ROSES**
(Trial Order Solicited)

EDWARD REID WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.
CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

GEORGE B. HART

WHOLESALE FLORIST

24 Stone St., Rochester, N. Y.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$2.00. 50,000...\$8.75. Sample free.
For sale by dealers.

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MICHIGAN CUT FLOWER EXCHANGE, Inc.

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The House for Quality and Service

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We are Wholesale Florists Doing
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POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

IF you want anything from Boston get
it from **Henry M. Robinson & Co.**

We are on the job at all hours of the day, from 6 A. M. to 7 P. M.

We carry the largest line of Supplies in New England and also the best flow-
ers from over one hundred of the leading growers in New England. You can al-
ways Depend for **SERVICE, PRICE AND QUALITY.**

For Safety Place Your Orders With Us

HENRY M. ROBINSON & CO.

2 Winthrop Square and 32 Otis Street, BOSTON, MASS.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Dec. 7	ST. LOUIS Dec. 3	PHILA. Dec. 3
Roses			
Am Beauty, Special	1.00 to 25.00	40.00	30.00 to 40.00
" " Fancy and Extra	6.00 to 20.00	20.00 to 30.00	15.00 to 25.00
" " No. 1 and culls	4.00 to 6.00	10.00 to 20.00	0.00 to 12.50
Russell, Euler, Mock	4.00 to 10.00	8.00 to 25.00	4.00 to 25.00
Hadley	4.00 to 10.00	10.00 to 15.00	4.00 to 15.00
Arenberg, Hoosier Beauty	4.00 to 8.00		3.00 to 12.00
Ward	4.00 to 5.00	4.00 to 10.00	3.00 to 6.00
Killarney, Radiance, Taft	4.00 to 8.00	4.00 to 10.00	3.00 to 8.00
Opheha, Sunburst, Hillingdon	4.00 to 8.00	6.00 to 12.50	3.00 to 12.00
Carnations	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
Cattleyas	40.00 to 50.00	75.00	40.00 to 60.00
Dendrobium formosum	40.00 to 50.00		50.00 to 60.00
Lilies, Longiflorum	8.00 to 12.00	15.00	8.00 to 10.00
Lilies, Speciosum	8.00 to 12.00		4.00 to 6.00
Lily of the Valley	6.00 to 8.00	8.00	5.00 to 10.00
Snappedragon	2.00 to 4.00		3.00 to 10.00
Bouvardia	1.00 to 1.50		3.00 to 4.00
Violets	.20 to .75		.25 to 1.00
Chrysanthemums	6.00 to 16.00	10.00 to 25.00	4.00 to 25.00
Narcis, Paper White		4.00	3.00 to 4.00
Roman Hyacinths		4.00	
Stevia		1.00	75 to 1.50
Sweet Peas	.50 to 1.50	1.00 to 2.00	1.00 to 3.00
Marguerites	1.00 to 3.00		.50 to 1.50
Gardenias	25.00 to 35.00		20.00 to 35.00
Adiantum	1.00 to 1.25	1.00	.75 to 1.00
Smilax	12.00 to 16.00	15.00	15.00 to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs)	35.00 to 50.00	25.00 to 50.00	25.00 to 50.00

WILLIAM F. KASTING Co.

Wholesale Florists

568 570 WASHINGTON STREET - BUFFALO, N. Y.

J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS



Flower Market Reports

Since Thanksgiving Day **BOSTON** business has been very quiet in this market and the outlook seems to indicate a rather dull period from now until the Christmas hustle begins, dependent more or less on the weather and its effect on the supply. At present it is fortunate that the quantity of roses coming in is quite light. Any increase under the existing depression would only serve to break down market values which are none too stable just now. Carnations are more numerous than the demand calls for, whites being particularly in excess and a good many are seen which begin to show the effects of long waiting for a buyer. Chrysanthemums are rapidly losing their position on the firing line and will soon be but a memory.

The past week's record **CHICAGO** covers the report of Thanksgiving, which has always been one of the florists' holidays. Practically every flower in the market was sold and little if any cutting of prices took place. The shipping orders began to come in early and continued till the last hour, resulting in more than one disappointed would-be customer. Local trade was good, and the fact that so many florists were seen in other than their regular buying places showed that it was no day of bargain prices and the rule of "regular customers first" was followed strictly. Since Thanksgiving day, some fairly good chrysanthemums have come in in limited quantities, but another week will probably see the end. Roses are on the scarce side, the daily cuts bring hardly sufficient to go around and to all appearances they will be in good shape for Christmas. very few sweet peas are seen. The cut of carnations is still limited enough to keep the price steady. Southern green is now coming and with the local makes a good supply. Winter berries are missed this year, very few having appeared. These are generally very much in evidence at this time and sell well. Two of the regular shippers have reported the quality of the berries such that shipping them in would be a doubtful investment. The price of boxwood and other greens is rising as Christmas approaches, the supply being reported as unusually light.

Thanksgiving trade **CLEVELAND** was at least as good as last year and in many instances better. Aided by an unusual scarcity of stock the wholesalers had no difficulty in cleaning up nicely. In fact scarcity of stock is the feature of the present market. Chrysanthemums are about through. Roses, carnations, violets and narcissus are short. Violets arrive one to two days late. Holiday supplies are starting to move, including red goods of all kinds and demand is in good volume and starting earlier than usual. Boxwood and pine wreaths are scarce and prices are higher.



SWEET PEAS

This stock is simply wonderful, never had better at any season of the year, stems 18 inches long and under, mostly light pink, some Yarrowa, quite a few white, with a limited amount of lavender.

\$2.00, \$3.00 per 100

Write for our complete list of Christmas Greens.

Everything in **FLOWERS, PLANTS, RIBBONS and SUPPLIES.**

S. S. PENNOCK COMPANY

The Wholesale Florists of Philadelphia

NEW YORK
117 W. 28th St.

PHILADELPHIA
1608-1620 Ludlow St.

BALTIMORE
Franklin & St. Paul Sts.

WASHINGTON, 1216 H. St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Dec. 3		CHICAGO Dec. 3		BUFFALO Dec. 3		PITTSBURG Dec. 3	
Roses								
Am. Beauty, Special.....	35.00	to 40.00	40.00	to 50.00	40.00	to 50.00	45.00	to 60.00
“ “ Fancy and Extra.....	20.00	to 25.00	30.00	to 40.00	30.00	to 40.00	35.00	to 40.00
“ “ No. 1 and culls.....	6.00	to 15.00	6.00	to 10.00	3.00	to 15.00	10.00	to 20.00
Russell, Euler, Mock.....	5.00	to 20.00	6.00	to 30.00	4.00	to 10.00	15.00	to 20.00
Hadley.....	.....	.....	4.00	to 15.00	4.00	to 8.00	.....	.....
Arenberg, Hoosier Beauty.....	4.00	to 12.00	4.00	to 15.00	6.00	to 12.00	.....	.....
Ward.....	4.00	to 8.00	4.00	to 12.00	3.00	to 5.00	.....	.....
Killarney, Radiance, Taft.....	4.00	to 10.00	3.00	to 12.00	3.00	to 8.00	4.00	to 12.00
Ophelia, Sunburst, Hillingdon.....	4.00	to 18.00	3.00	to 12.00	3.00	to 12.00	6.00	to 12.00
Carnations	2.00	to 4.00	2.00	to 4.00	.....	to 5.00	2.00	to 4.00
Cattleyas.....	.....	75.00	60.00	to 75.00	60.00	to 75.00	.....	75.00
Dendrobium formosum.....	.....	.....	60.00	to 75.00	.....	.....	.....	.....
Lilies, Longiflorum.....	.....	12.50	10.00	to 12.00	8.00	to 10.00	.....	12.00
Lilies, Speciosum.....	.....	.....	.....	.....	4.00	to 6.00	.....	.....
Lily of the Valley.....	.....	7.00	4.00	to 6.00	8.00	.....	.....	.....
Snopdragon.....	4.00	to 6.00	4.00	to 6.00	3.00	to 5.00	3.00	to 6.00
Bouvardia.....	.....	.....	.....	.....	.....	.....	.....	.....
Violets	.....	.....	.....	.....	.....	.....	.....	.....
Chrysanthemums.....	8.00	to 25.00	6.00	to 25.00	6.00	to 25.00	5.00	to 20.00
Narcis, Paper White.....	.....	4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Roman Hyacinths.....	.....	.....	.....	.....	3.00	to 5.00	4.00	to 5.00
Stevia.....	3.00	to 4.00	.....	.....	1.25	to 1.50	2.00	to 2.00
Sweet Peas.....	.....	1.00	1.00	to 1.50	.75	to 1.25	2.00	to 4.00
Marguerites.....	.....	.....	.....	1.00	1.00	to 1.50	.....	1.00
Gardenias.....	.....	.....	.....	.....	.....	.....	.....	.....
Adiantum.....	.....	1.00	.....	1.00	1.00	to 1.25	.75	to 1.25
Smilax.....	.....	15.00	15.00	to 20.00	15.00	to 20.00	.....	20.00
Asparagus Plu. & Spren. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	40.00	to 60.00

NEW YORK A period of low vitality in the flower market is usually experienced during the interval between Thanksgiving and Christmas, and this year will be no exception to this long-existing rule, if present indications are rightly interpreted. The Thanksgiving business created very little commotion here and the sharp advance in prices just previous to the holiday seems to have had very little basis for its existence as there were but few items on the seasonable stock list which fell behind in ability to satisfy all calls. Red flowers had the

right of way, such as it was, and whites actually dragged and this condition still exists. The effect of the plant trade on the cut flower trade this year is a question of considerable interest. The plant growers are talking short supply and there appears to be some reason for this view, considering the absence of imported forcing material and the unpreparedness of the flowering bulbs due to late delivery. At present time the market is rather heavy with slow moving cut-flower stock and values are weak.

(Continued on page 607)

H. BAYERSDORFER & CO. Manufacturers and Importers

1129 Arch St. PHILADELPHIA, PA.

Fall Novelties Now On Display

New Show Rooms Added

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

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Wholesale Commission Florist
Choice Cut Flowers

New Address, 142 West 28th St., NEW YORK
Telephones: 2206, 2261, Madison Square.

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Wholesale Florist
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Telephone 2485 Farragut
Cut and select the Best Establishment
in the Wholesale Flower District

JOHN YOUNG & CO.
WHOLESALE FLORISTS

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Consignment Dept.
Phone Farragut 4336

RIEDEL & MEYER, Inc.
Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

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WHOLESALE FLORIST

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CONSIGNMENTS SOLICITED

PHONE 608 FARRAGUT NEW YORK
609

IMMORTELLES—Fresh from France
Per doz. bunches, \$3.00; per case,
125 bunches of one color, \$28.00.
JAPANESE FIBRE ROPING—Per
ball, \$70; per case, \$60.00.
FLORISTS' SUPPLIES AND
GREENS.

THE KERVAN CO. 119 W. 28th St.
NEW YORK

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

8 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

Established 1888

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We Solicit Consignments of New
England Grown Novelties.

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WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
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A full line of Choice Cut Flower Stock for all purposes.

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ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, - - NEW YORK

Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the

BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.

PAUL MECONI—Wholesale Florist—NEW YORK

Telephone Nos. 2864 and 8364 Madison Square

57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER MORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists

Phones: Farragut 558, 2036 and 2037

111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Dec 1 1917		First Half of Week beginning Dec. 3 1917	
American Beauty, Special	20.00	to 40.00	20.00	to 40.00
" " Fancy and Extra	10.00	to 12.00	10.00	to 15.00
" " No. 1 and culls	2.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock	2.00	to 10.00	2.00	to 10.00
Hadley	2.00	to 15.00	2.00	to 12.00
Arenberg, Hoosier Beauty	2.00	to 8.00	2.00	to 8.00
Ward	1.00	to 8.00	2.00	to 6.00
Killarney, Radiance, Taft	1.00	to 8.00	2.00	to 8.00
Ophelia, Sunburst, Hillingdon	2.00	to 10.00	2.00	to 10.00
Key	2.00	to 10.00	2.00	to 10.00
Carnations	1.00	to 5.00	2.00	to 4.00

GROWERS' CUT FLOWER COMPANY

WHOLESALE FLORISTS

129 West 28th Street

Tel. 6237 3563 Farragut

E. J. VAN REYPER, Mgr.

WALTER F. SHERIDAN

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

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Telephone—3632-3533 Madison Square

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Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797, 798, 799 Farragut

Consignments Solicited

JOSEPH S. FENRICH

WHOLESALE FLORIST

LILIES EVERY DAY

51 W. 28th Street, New York

Telephones, 420-421-422 Mad. Sq.

HERMAN WEISS

WHOLESALE FLORIST

Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

130 West 28th Street, Tel. Farragut 634,

NEW YORK.

Flower Market Reports

(Continued from page 605)

PHILADELPHIA Thanksgiving week here panned out better than was expected. There was a good demand and as the supply was less than usual the market cleaned up very nicely. Of course the volume was not as large as in former years which kept prices on a moderate basis. The chrysanthemums held the center of the stage but the roses and carnations were good seconds. Orchids were in very good demand and stiffened up a little in price. Lilacs and gardenias sold well and there was call for more of these than were in sight. Altogether a very good week and augurs well for Christmas trade.

PITTSBURGH The Thanksgiving trade practically wound up the chrysanthemum season. Right up until the end these flowers have held their own. Short-stemmed roses continue scarce but the longer grades are more plentiful. There is an abundance of greens of all kinds, boxwood especially being good. Funeral work is keeping an otherwise mediocre business fairly lively.

ROCHESTER Thanksgiving business was better than anticipated. It was in several ways smaller than that of previous years but considering the unsettled times we should be satisfied. Stock was fairly plentiful and sold at good prices. The shipping business was good. Roses of all kinds were plentiful with the exception of red varieties. Lilies are in large supply and do not move at all fast. Pompon chrysanthemums are nearly cleaned up after a good season. Carnations are still scarce. Violets sold well for Thanksgiving but several shipments of orchids and violets were frozen. Cornflowers are plentiful.

ST. LOUIS Thanksgiving trade from all reports was very good. Of course chrysanthemums took the lead. Violets were not plentiful. Roses and carnations were decidedly scarce. In chrysanthemums Bonnaillon was greatly in evidence in all grades, also a fine supply of Chadwick. Dark cloudy weather accounted in a great measure for the short supply. All greens sold well.

BUSINESS TROUBLES.

Elleville, Ill.—St. Claire Floral Co., conducted by A. S. Austin, has filed petition in involuntary bankruptcy.

A joint session of the Pittsburgh florists' and Gardeners' Club, the Horticultural Society of Western Pennsylvania and the Sewickley Horticultural Society was held last Tuesday evening to inaugurate plans for the Autumn Flower Show of 1918.

HENRY M. ROBINSON CO. OF NEW YORK WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13—8510 Madison Square

MAURICE L. GLASS, Treasurer

Consignments Solicited

J. K. ALLEN

SERVING THE TRADE AS WHOLESALE COMMISSION FLORIST FOR OVER THIRTY YEARS.

I have room now for a few more regular shippers of good flowers. I have a steady market for all varieties. Make a start now for the coming season.

118 West 28th St.

NEW YORK

TELEPHONES
Farragut 167 and 3058

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Dec. 1 1917		First Half of Week beginning Dec. 3 1917	
Cattleyas.....	25.00	to 60.00	25.00	to 50.00
Dendrobium formosum.....	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum.....	4.00	to 8.00	4.00	to 8.00
Lilies, Speciosum.....	2.00	to 4.00	2.00	to 4.00
Lily of the Valley.....	3.00	to 8.00	3.00	to 8.00
Snapdragon.....	1.00	to 4.00	1.00	to 6.00
Bouvardia.....	1.00	to 3.00	1.00	to 3.00
Violets.....	.40	to .75	.35	to .60
Chrysanthemums.....	2.00	to 20.00	2.00	to 30.00
Narcis, Paper White.....	1.00	to 2.00	1.00	to 2.00
Roman Hyacinths.....	2.00	to 3.00	2.00	to 3.00
Stevia.....	.75	to 1.00	.75	to 1.00
Sweet Peas.....	1.50	to 2.00	1.50	to 2.00
Marguerites.....	1.00	to 2.00	1.00	to 2.00
Gardenias.....	20.00	to 40.00	20.00	to 40.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, & Spreng (100 bunches).....	15.00	to 25.00	15.00	to 25.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

Address Your Shipments to

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We manufacture all our
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POROUS****POTS**World's Largest
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Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**LOCAL AND GENERAL NEWS****BOSTON.**

James F. M. Farquhar, of R. & J. Farquhar & Co., has gone south for the winter by advice of his physician.

The Boston delegation to the coal supply hearing in Washington this week consisted of Wm. H. Elliott, E. Allan Peirce and Thomas Roland.

As will be noticed in our advertising columns this week, Boston now enjoys the distinction of having a first-class manufactory of florists' supplies, baskets and other requisites for an up-to-date flower store and New England florists have at last the privilege, not to say duty, of securing supplies of home production equal in quality to what they have had heretofore to send afar to procure. The Boston Floral Supply Co. fills a long-felt want.

NEW YORK.

We are informed that the contract for the new greenhouses at the New York Botanical Garden has been awarded to the King Construction Company.

The Sunday World for December 2nd devoted a full page of its Magazine section to a picture in colors and description of the new rose Ophelia Supreme, under the caption of "The American Beauty's New Rival."

The New York Florists' Club meeting promises to bring out a large attendance to participate in the election of officers for the coming year and transact other business of timely import. Date, Monday, Dec. 10. Place, 23rd street and Eighth avenue.

The Alumnae Association of the New York Florists' Club composed of the past presidents of the club, had a dinner at "Billy the Oysterman's" on December 1 which was well attended. One of the most interesting and enjoyable affairs ever enjoyed by the members of this association was a surprise visit on Friday, Dec. 7, to John N. May at Summit, N. J., the first president of the New York Florists' Club, who is at present incapacitated for attendance at the periodical sessions. They found Mr. May as cherry, hospitable and interesting as ever and worried about nothing except his inability to get out among the boys. W. A. Manda is the president of the association this year.

PITTSBURGH.

Mr. and Mrs. Julius W. Ludwig entertained at a dinner party on last Sunday evening in celebration of their joint birthday anniversary.

John McNamara has resigned his position as superintendent of the Pittsburgh Country Club grounds and now assumes similar supervision for the Pittsburgh Field Club at Aspinwall.

Randolph & McClements had a charming Thanksgiving window display. A small central table had a centerpiece of white chrysanthemums, bronze and yellow pompons and pink Killarney roses. Round about were large jardinières of yellow and white chrysanthemums and baskets of English hothouse grapes, finished with a window hedge of bronze, yellow and pink pompons.

CLEVELAND.

Frank Brendel, West Side florist, has closed up his shop at 1440 West 25th Street, and gone out of business. "Conditions beyond our control" are given as the reason.

Carl Bennett, East Side florist, has given up his location at 1404 East 105th Street, but will not leave the florist business. Much of his work is funeral and organization work and this Mr. Bennett will continue to do, retaining only his telephone.

Cleveland florists and seed dealers have received 25 carloads of bulbs from Europe this season, according to the figures of appraisers Joseph Pelcinski. Most of them came from Switzerland, according to Mr. Pelcinski.

Monday evening, December 3, four Cleveland florists left for the coal conference at Washington. This committee was prepared to report to the administrator the approximate investment, coal consumption and amount of labor employed in the florist trade in this section. The committee were F. C. Brown, of J. M. Gasser Co.; F. R. Williams, of Cleveland Cut Flower Co.; Herman Knoble and Charles Graham. As one member of the committee expressed it, "We are going down to Washington to see whether we can stay in business or not." Florists were told during the summer that they could have plenty of coal when lake shipments to the Northwest ceased with the closing of navigation on the Great Lakes. The priority order under which this coal was moved has been rescinded but the growers seem to be no nearer a supply for the winter than before. A few growers are in imminent danger of disaster on account of their meager supplies on hand, and none can go through the winter unless the Government is prepared to issue a priority order for their benefit.

CHICAGO.

Miss Helen O'Connell, who was known to many in the trade because of her having been employed at Vaughan's Seed Store, was run down by an automobile and killed on Sunday.

Poehlmann Bros. Co. is notifying all their customers under which express companies will receive consignments that may be injured by frost, that all their shipments will be made the same way; viz., F. O. B. Chicago, at owner's risk.

A. L. Vaughan voices the sentiment of many others when he says the pleasure has been taken out of business since transportation has been so uncertain. With express companies requiring goods delivered early and orders coming in late the problem is a hard one. If out-of-town orders would be sent in at the earliest possible rather than at the latest possible moment it would help all round.

Chicago florists, both growers and distributors, have had very unusual conditions to contend with this fall. While November made a record for warm temperature, which resulted in hurrying on the chrysanthemums and finishing up the supply early, the month of October had been the coldest of that name since 1870. The lack of moisture was another Nov. feature, there being but .56 inches, with normal amount at 2.50 in. The percentage of sunshine was about normal.

The office of the Superintendent of wagon service, Chicago, has issued the following instructions to their collectors of express shipments:

"From November 1st and continuing until March 31st of each year, when the temperature is zero or above, shipments in less than car lots will be accepted and handled in the usual manner. When the temperature is lower than zero, such shipments will be received by the express company when delivered by shippers at their offices. When the temperature is lower than 10 degrees below zero, shippers will be required to sign a release relieving the express company from liability and risk from freezing. Please acquaint shippers of this ruling and see that instructions are fully carried out."

ROCHESTER, N. Y.

J. B. Keller & Sons had a very attractive window of Thanksgiving baskets filled with assorted fruits and pompon chrysanthemums.

Geo. Boucher had a very unusual

Thanksgiving center piece consisting of double arches with bunches of bronze pompons at top and bottom tied with blue ribbon.

The Rochester Floral Co. window display for Thanksgiving tables were low plateaus filled with autumn leaves, fruit, nuts and small vases of pompon chrysanthemums and roses in red, yellow and bronze shades.

Fred Mossgraber of Webster, N. Y., reports a good season with chrysanthemums. Frank Pursells and Ed. Brockman report business as brisk. Quite a number of Irondequoit growers are not heating their entire range of glass owing to the scarcity of coal.

VISITORS' REGISTER.

Boston — W. A. Manda, South Orange, N. J.; C. S. Strout, Biddeford, Me.; Alex. Montgomery, Hadley, Mass.

Philadelphia — Norman Serphos, seeds, N. Y. City; S. Mortensen, Southampton, Pa.; W. Munro, Garrettford, Pa.

Pittsburgh—Saul Rosenfeld, repr. Wertheimer Brothers, New York; Milton Alexander, New York; Isaac Bayersdorfer, Philadelphia, Pa.

FOR SALE

Complete set, six volumes in perfect condition, of the Cyclopedia of American Horticulture by L. H. Bailey. This is the original 1906 edition published by Doubleday, Page & Co., with the Synopsis of the Vegetable Kingdom inserted. Will sell cheap.

Address Bailey, care HORTICULTURE.

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Advertisements in this Department, Ten Cents a Line, Net

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	100	1000
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Hyacinths	\$4.00	\$35.00
Second Size, named Hyacinths	2.75	25.00
Bedding Hyacinths, in separate colors	2.00	17.50
Bicolor Victoria D. N.	1.80	
Bicolor Victoria S. N.	1.20	
Sir Watkin	1.00	
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Peony Dahlia Mrs. Frederick Grinnell.
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Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

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Daisies (Bellis) Monstrosa, white and pink, also Longfellow and Snowball. Thinly sown field-grown seedlings, \$2.50 per 1000, \$11.50 per 5000, cash.

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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

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Roses, Canas and Shrubs. THE CONARD & JONES COMPANY, West Grove, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGRE & HURKELL, Summit, N. J.

VINES

Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Hissarlik Nursery, New Rochelle, N. Y.

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Every Reader of "Horticulture" Needs

DR. L. H. BAILEY'S BRAND NEW Standard Cyclopedia of Horticulture

Six large quarto volumes. More than 3,600 pages. 24 full page exquisite color plates. 96 beautiful full page halftones. More than 4,000 text engravings. 500 Collaborators. Approximately 4,000 genera, 20,000 species and 40,000 plant names

THE New Standard Cyclopedia of Horticulture has been freshly written in the light of the most recent research and experience. It is the fullest, the newest, the most authoritative of all works of its kind and constitutes the most conscientious attempt that has ever been made to compress the whole story of our horticultural thought, learning and achievement into one set of books. It is both an Encyclopedia and a Manual.

A Few of the Many Important New Features

Key to Identification of Plants This is a device to enable one to find the name of a plant. The name thus found is quickly referred to under its alphabetical location, where full information will be found in regard to it.

Synopsis of Plant Kingdom This is one of the most important features of the new edition. It constitutes a general running account of the classes, orders, and groups of plants, with a brief sketch or characterization of 215 of the leading families comprising those that yield practically all the cultivated plants. These family descriptions give the botanical characters; the number of genera and species and the ranges; a list of the important genera; brief statements in regard to the useful plants; and diagrammatic illustrations.

Illustrations There are 24 colored plates; 96 full page halftones; and more than 4,000 engravings which serve as guides in the text.

The Glossary This is an analysis of all technical terms that are used in the work and in similar works. It comprises botanical and horticultural terms with brief definitions.

Translation and Pronunciation of Latin Names In Volume I is inserted a list of between 2,000 and 3,000 Latin words used as species—names of plants, giving the English equivalent or translation and the pronunciation.

Class Articles Special effort has been made to secure the best cultural advices for the plants requiring peculiar or particular handling. Here are some of the titles of these articles: Ants; Autumn Gardening; Bedding; Diseases; Drainage; Floral Designs; Formal Gardening; Hotbeds and Coldframes; Insects; Landscape Gardening; Lawn Planting; Orchards; Rock Gardening; Subtropical Gardening; Tools and Implements; Village Improvements; Window Boxes, etc.

General Index The final volume contains a complete index to the entire work, enabling the reader to locate volume and page of any subject he has in mind.

The complete set of six volumes, bound in decorated buckram, will be delivered to you for only \$3 down and \$3 a month for 11 months, until the full amount of \$36 has been paid. Cash price \$35.

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Hammond Insecticides used by Florists and Gardeners for generations, and before this our paint was used on Hot Houses because it did not wash off. Twemlow's Putty is unexcelled.

Send for Pamphlets or information regarding your needs.

HAMMOND'S PAINT & SLUG SHOT WORKS
Beacon, N. Y., U. S. A.
OUR PRODUCTS SOLD BY SEED DEALERS

Obituary

William Henry.

All the community of Lenox, Mass., were shocked to learn of the sudden death by heart failure of William Henry on Sunday night, November 25th.

William Henry, aged 70 years, was born in Methlick, Aberdeenshire, Scotland, April 15, 1847, the son of William Henry and Isabelle Grey. He was educated in that village and for nine years was gardener on the estate of Lord Aberdeen, and in 1872 he came to America where he had charge of the late Col. Forbes' estate at Milton Hill. Mr. Henry came to Lenox, Mass., in 1875 with the late William R. Rokeson and laid out his estate, "The Elms." This estate was formerly the Salisbury farm and Mr. Henry changed it into a gentleman's estate.

In 1902, Grenville L. Winthrop bought the estate and changed its name to Groton Place. Mr. Henry

was one of the most successful and efficient growers in New England and was noted as a tree expert and landscape gardener. Groton Place is famous for its splendid lawns and magnificent trees. In August, 1914, when the committee from the Massachusetts Horticultural Society visited the estate of Lenox, a certificate of honorable mention was awarded to William Henry for skilful landscaping.

Mr. Henry was a charter member of the Lenox Horticultural Society and an honorary member of Clan MacInnis of Pittsfield. He was the oldest member of the Lenox Congregational church. He is survived by a widow and five children, William G. Henry of Springfield, Mass., Mrs. D. L. Cleaves of St. Louis, Mo., Miss C. Winifred Henry and Walter G. Henry of Lenox and Sergeant Douglas C. Henry of Camp Funston, Kansas. One daughter, Isabelle C. Henry, died in 1897. He leaves also three brothers, George Henry of Whitinsville, Thomas Henry of Boston, and John Henry of Pittsfield and one sister, Mrs. Alexander Ironsides of Simcol, Canada.

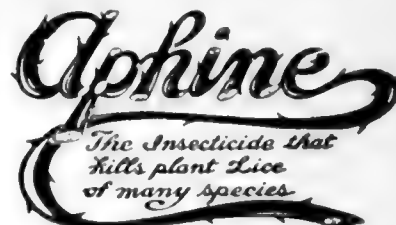
The funeral was held from his late home on Groton Place on Thursday afternoon. Burial was in the family plot in the Lenox cemetery.

William Marshall.

We learn through our British exchanges of the death of William Marshall, chairman for more than a quarter century of the Floral Committee of the Royal Horticultural Society, at the age of eighty-three years. Mr. Marshall was a prominent figure among British horticulturists and won many eminent triumphs as an exhibitor of orchids, ferns, and other specialties. He had the distinction of exhibiting *Odontoglossum crispum* in flower for the first time in the year 1865. He was the recipient of a Victorian Medal of Honor.

George F. Bate.

George F. Bate, son of Guy Bate, of the Cleveland Cut Flower Co., died at his home, Newton Falls, O., last week, of blood poisoning, aged seventeen years. He was in his last year in high school and was captain of this year's football team, and upon his graduation was to have entered into business with his father.



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A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$2.50.

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For mildew, rust and other blights affecting flowers, fruits and vegetables.

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For eel worms, angle worms and other worms working in the soil.

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Non-poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

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½ Pint, 30c.; Pint, 50c.; Quart, 90c.; ½ Gallon, \$1.50; Gallon, \$2.50; 5 Gallon Can, \$10.00; 10 Gallon Can, \$20.00.

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10	20 in.	\$2.75	\$30.00	\$230.00
20	18 in.	2.25	24.00	190.00
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Utica, N. Y.—Joseph Salerno, 1200 Mary St., one house.

Wilmington, Del.—William J. Connor, 3306 Washington street, one house

Philadelphia, Pa.—James W. Wade, 5816 Hagerman St., house 21 x 32. Fred Wolstenholme, 7100 Wissahickon Ave., one house. Geo. C. Thomas, Jr., Sunset Ave., King house 67 x 85.

NEWS NOTES.

Anoka, Minn.—Heald & Kleinman have purchased the Pratt-Ford greenhouses

Kalamazoo, Mich.—G. Van Bochove & Bro. Co. have increased their capital stock to \$80,000.

Penn Yan, N. Y.—Fire caused \$50 damage in the basement of the Lake Keuka Floral Co., Main street, Sunday morning, Nov. 25. The loss is covered by insurance.

The Florists Hall Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars, address, JOHN G. ESLER, Sec., Saddle River, N. J.

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**IRON FRAME
PIPE FRAME
HOT BED SASH-GLASS
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Glazing**

USE IT NOW

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Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

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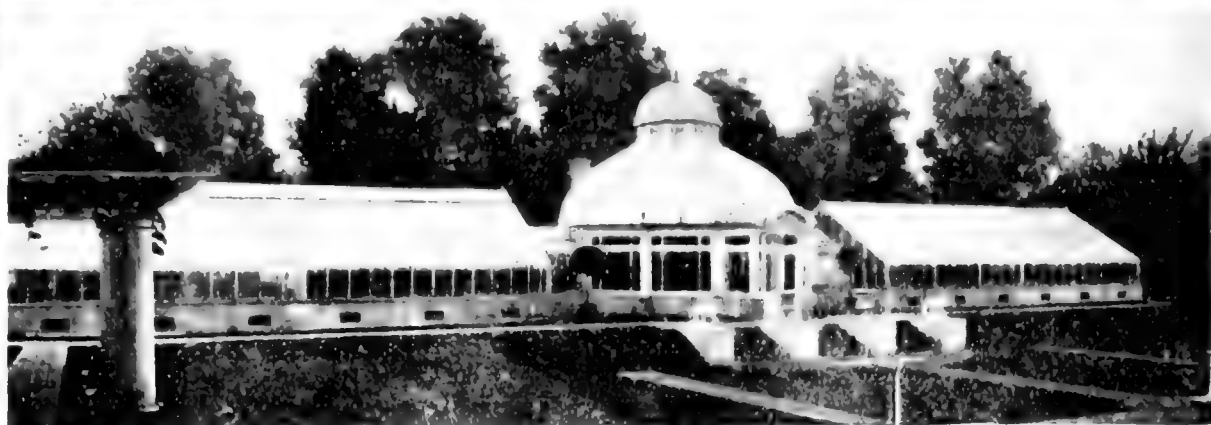
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**King
GREENHOUSES**

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NORTH TONAWANDA, N.Y.



Why We Suggest This Particular Greenhouse

MAINLY because it so successfully overcomes the usual objections made to a layout of palm house and wings, that the palm house shades one of the houses.

The connecting passages entirely overcome that, besides giving valuable additional bench space. The twelve sided palm house is as ornamental as it is unique.

It happens that we were the first one, and still remain the only one to build them.

Of necessity there were roof structural complications that were most difficult to overcome.

But now they have been successfully solved, you might well take advantage of them.

We should be heartily glad to talk with you about this, or any other greenhouse layout you may have in mind.

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New York, 12nd St. Bldg.
Chicago, Continental and
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Boston, Tremont Bldg.
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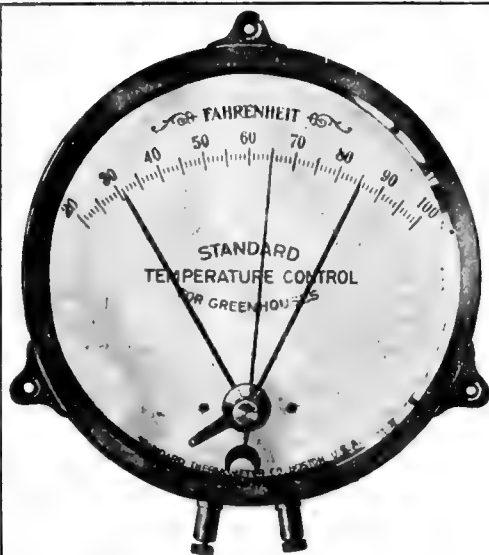
Builders of Greenhouses and Conservatories

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Cleveland, Swetland Bldg.
Toronto, Royal Bank Bldg.
Montreal, Transportation Bldg.



ON GUARD!!

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All This for \$7.00

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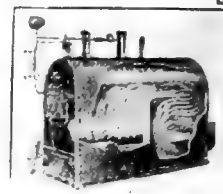


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Vol. XXVI
No. 24
DEC. 15
1917

HORTICULTURE



Charles Schenck

President-elect New York Florists' Club

Julius Roehrs Company

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**Headquarters for All Holiday
Plants, Flowering and
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2-in., \$2.50 per 100, \$22.50 per 1000.

Special, 5000 for \$100.00.

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This 3-in. stock is just in shape to make the very finest large Easter plants.

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SCOTTII 4-in. \$2.00 per dozen, \$15.00 per 100
5-in. 3.00 per dozen, 25.00 per 100

BOSTON 5-in. \$3.00 per dozen, \$25.00 per 100
6-in. 4.50 per dozen, 35.00 per 100

HELIOTROPE, CUPHEA, FUCHSIA, COLEUS, AGERATUM, SWAINSONA, PARLOR IVY,
2-in., \$2.00 per 100. 3-in., \$3.00 per 100.

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In cases of 300 bulbs



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from New York Cold Storage

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in cases of 2,000 and 4,000 pips

CHAS. SCHWAKE & CO., 90-92 W. Broadway, New York

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ROSALIND

(A Glorified Ophelia)

A GREATLY IMPROVED OPHELIA. The particular value of Rosalind lies in its exquisite coloring. When the buds first show color they are bright coral, changing as they develop to apricot-pink, and when fully developed they are a most beautiful shell-pink. The flower is much more double than Ophelia, having at least one-third more petals. It is also delightfully fragrant. In habit of growth Rosalind is identical with Ophelia, from which it is a sport. It originated with us two years ago, and grown side by side with Ophelia, is far superior to that variety.

Awarded First Prize at International Flower Show, New York, March, 1917, for best new rose.

Awarded additional Silver Medal at same show for display of Rosalind.

Awarded Silver Medal by the Horticultural Society of New York.

Awarded Silver Medal by the Tarrytown Horticultural Society.

Also numerous certificates.

WILL BE DISSEMINATED SPRING OF 1918

See illustration of ROSALIND on cover of HORTICULTURE, issue of December 8, 1917.

Strong plants, 2 1/4-inch pots, \$25.00 per 100, \$225 per 1,000; 250 plants for \$60.00.

F. R. PIERSON, Tarrytown, N. Y.

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FALL SHIPMENT

Giganteum, Formosum, Rubrum,
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Album, Helipomene, Etc.

Shipments distributed from New York,
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Write for IMPORT prices, stating quan-
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Awarded Certificate of Merit at S. A.
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100 other notable kinds. Always ask for
SWASTIKA BRAND CANNAS.

The **CONARD & JONES CO.** WEST GROVE
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Robert Fyle, Pres. Antoine Wintner, Vice-Pres.

Specialists in Specimen Stock for Landscape Work

Hardy Rhododendrons, Azaleas, Boxwoods,
Hollies and a Complete Line of Coniferous
Evergreens.

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**Iris, Liliums, Lycoris,
ETC.**

**For Fall Delivery
JOHN LEWIS CHILDS, Inc.**

We are booking orders rapidly for the two sensational

ROSE NOVELTIES FOR 1918

Columbia and Ophelia Supreme

It is definitely known that there will be a shortage of
Manetti so it will be a case of "first come—first served," on
grafted stock.

Grafted, \$35 per 100. Own Root, \$30 per 100

CHARLES H. TOTTY,

MADISON,

NEW JERSEY

BEGONIAS

For Christmas Trade

LORRAINE, TURNFORD HALL, LONSDALE, FLORENCE DAVENPORT,
4-in., 35c. each; 5-in., 50c. each; 6-in., 75c. and \$1.00 each; 7-in. pans, \$1.00 and \$1.50.

Especially Nice Begonia MRS. J. A. PETERSON

5-inch, 75c. each; 6-inch, \$1.00 each; 7-inch, \$1.50 each.

CYCLAMEN, ALL SIZES, ALSO POINSETTIAS, PRIMROSES, EUPHORBIA
JACQUINIAEFLORE, ALSO MANETTIA BICOLOR.

A. M. DAVENPORT,

**Watertown,
Mass.**

COAL SAVING IN CARNATION HOUSES

The very interesting letter from Secretary John Young to W. F. Gude, as also his able qualifications of the same must certainly have brought home to all the florists in the land the seriousness of the present coal situation. There are probably few things more apt to take the spunk out of a florist than to have to imagine what a fix he would be in if coal should behave as sugar did for the last few weeks, and is doing yet—none to be had for love nor money. It gives me the delicious triangles now just thinking of it. Still I shall hope and keep on hoping with my brother florists for a happy solution and ending of this nightmare. As it is, it might pay to look a little deeper into the matter and to see if we may not benefit somewhat through force of necessity.

The latter part of the well written editorial in *HORTICULTURE* on "The fuel outlook," page 594, Dec. 8, touches the real spot and as the editorial tersely says: a big saving in the amount of fuel used could be made by intelligent study of heating in relation to the growing of crops. Most of us take too much for granted, when it comes to watching the firing temperature in the houses and temperatures really needed for the growing of the crops. Only those who unfortunately may be obliged, either once in a while or for the whole winter season, to tend to the fires personally, can really know what happens to the coal pile every day and mostly every night. Why will one fireman use a ton or two less of coal per week and have the temperature nearer to the desired mark than the other man? Sure we know, anybody knows; he throws more coal into the boiler." Yes, but why does he do it? Just because on many places, he is not properly under control and we pleasantly let him tell us some fake story about "last night was a bad one" whenever he feels like it. Do we see that the fires are cleaned and kept bright as needed? Many of us never go near a fire after the night man comes on and he soon considers himself a very important article, not inclined to take kindly to a deserved admonition or a well meant warning or doubt. He gets into a rut and does as he pleases until some nice morning HE gets fired. And the funny part of it, on places where the men get fired promptly and often, the worst firing is generally going on.

Discharging a fireman at short order and for little cause and then hiring another victim is poor policy and too often done. I have come to the conclusion that it costs the firm some good money to make such changes and breaking in new men.

Instruct the fireman properly as to how you want the fires tended. (Absolutely do not let him tell you he knows all about it.) Offer a decent wage so a decent man will look for the job. Only bums take bum wages. Tell the man after he has proved to be what you think he ought to be that you think well of his work and that if no complaints are made or needed after this a bonus of 50c. or \$1.00 a week is his and will be withheld in case of complaint. That fireman will begin to look at his job in a different light and you can do with him almost anything. He will now take advice from you if you can prove that what you say is so but make sure you yourself know what you are talking about.

Now supposing we have a good fireman and good coal, then we should get good heating without waste in the boiler room. On a place using under "happy-go-lucky" conditions—say 100 tons of coal—the real fireman will cut it down 10-15 tons and that can be easy beaten, still it is real saving. But of what use is good firing and saving coal in the fire room if we have the waste going on in the houses? Tell me.

Let us take carnations. I have noticed places where for years never a decent stem or flower was produced, for the simple reason that the 25c. thermometers registered wrong. The fireman was told, "now be sure to keep the house at 50 and no more." He did, by that thermometer, keep it to the mark, but that particular thermometer would not tell him once that it was fooling him and needed 55° in reality before it could climb into the 50 class. Now who was wasting coal? Not the thermometer, not the fireman, but that fool boss who never for a moment had a notion that the glass could be wrong. After having been told, he bought other thermometers, tested them and from that day on saves coal and raises good carnations. There are tons and tons of coal wasted now every day in this way. But now supposing you have a good man and a good glass. (I do not allude to ———.) Still there is plenty chance to waste or save coal and flow-

ers. The glass will not fool you but the man may, even if he is an excellent man at the fire and never wastes a pound of the black diamonds. He is, may be, not particular about the degrees in the houses; he has a good, carefully tended fire all night but unless you have a silent watchman in each of your houses how can you prove what the man tells you? I for my part would never believe one single word even under oath. But put a self-registering apparatus into the house, absolutely safe from interference with it and covered, so that the fireman can not see what it registers and you have him sure.

A registering clock, such as are advertised, is the best thing of course. The high and low glass will answer all purposes though and is much cheaper and will never get out of order. How often will a fireman (who is a good fireman) get the house too hot while you sleep? It took coal to get it too hot; he opens the ventilators a while, out goes your coal and you dream and dream on and in the morning ask John, "how were the houses," "Fine, boss, fine." Then you ask that little up and down tell-tale, but now don't rip him up the back; tell him just how high or low it was and you will soon cure Mr. Fireman. Educate him by degrees.

So far, so good. We will now investigate, whether by keeping the fire good and the degrees in the houses just where we want them, there might not be a hole yet, where the coal gets away from us. The rule nowadays with carnations is to keep the plants at 48-52 at night and I do not feel like saying this to be wrong, one way or the other, because success with carnations kept at either 48 or 52° calls for attention to a number of other details outside of temperature, but closely connected with it. We all know that plants can be kept cooler without harm if on the dry side, still they will not enjoy the dry side for long and do well. Yet we wish to reduce the amount of coal used and I hold that if we gradually introduce our carnations to a longer spell of low temperature and even then for a short time, say 3-4 hours to a still lower degree, we will only not hurt the plants or flowers, but we will surely and decidedly improve them; unless the thing is carried too far. Running the carnation houses at 52 at night, say from 10-7, and then increasing the temperature will give us a lot of flowers.

but how little removed are we from the safety limit either way? A degree more at night for two or three nights or less for a longer period at night will surely weaken stock and flowers in almost no time and little improvement will ever take place again. In fact the market does not want nor need those long-legged, soft flowers with wishy-washy tints and hanging their head. Yet too many growers are to-day wasting coal this way. 50° from 7 till midnight, 48° from midnight until 5 a. m., and then by degrees, up slowly, will save tons of coal and will wonderfully improve plants and flowers, also their sale and give satisfaction to buyers. But for my part I have no objection, rather like it, if the plants have 50° from dark until about 10 p. m., 48° for the rest of the night until about 5 a. m., and if the weather is anywhere near 20° outside and raw, let them go to 47°, even 46°, for an hour or two or three after midnight. As

far as I can see, there will not be less flowers, but they look like the real thing and will stand banging around. The plant and flowers also will not mind it, rather like it, if for some reason or other a real sunny day pushes the mercury in the tube up above what we like to see it at. Plants kept like that will quickly respond to a little higher temperature for Christmas and will not resent it much, but the 52 sissy will kick up if you rub it in some more and then balk for good. Me for cool carnations.

We will only mention the difference in the cuttings and red spider. Give me the cool ones and the blue ones.

Even if on account of severe and cloudy weather the cool plants should hang back a few flowers per bench for

a day or two, they will burst out with the sun and at any time will outsell and outlast the incubator kind.

The time when better flowers that keep longer are raised for less money is surely coming and this present exasperating shortage in the coal supply will put many a flower grower to the final test. I mean a grower will have to know how to save the last cent in his business or go under. What is more, anyone being forced to let go now, will probably find entirely and mostly new and different conditions to tackle and overcome before he can find a footing again. I say, let everyone do some tall thinking and then some solid acting. We can and should save a lot of coal and very likely we will have to, so let us go at it.

Gustav Thomsen.

NATIONAL BUSINESS BUILDING FOR NURSERYMEN

By Joseph J. Lane of Garden Magazine and Country Life.

Some day soon the nurserymen are going to wake up and discover that they have been missing some of the biggest opportunities ever offered an industry.

At Detroit, a year ago, and again at Philadelphia last June, at their convention, they listened to considerable talk about advertising—in fact the subject was talked to death.

One alleged advertising man even went on record as urging them not to advertise—but to hire a press agent as he called "it," or as we know the individual referred to "a space grafter." This same suggestion came before a meeting of the Ornamental Growers Association several years ago—and fortunately for them, the business men present ignored the suggestion of one of these "Press Agents."

The profession of advertising and merchandising is worth paying for when you want advice that's worth paying for. The only thing you get for nothing is something that is worth nothing.

National Nursery advertising is possible—even as the same has been possible for the lumber associations, cement associations, California Fruit Growers—various cattle associations,

and others—too long a list to repeat here. The successes achieved by these organizations are fitting proof of the possibilities of co-operation in merchandising effort in other lines.

Let's stop referring to it as "National Nursery Publicity" that isn't what you fellows want. You want National co-operative merchandising—whether it comes to mean advertising ideas properly used, co-operative catalogue building, trade-extension reports, or a million and one other things that will come along after you once get started.

"After you once get started." There's the rub. You'll never get anywhere by talking. It's by doing things that they become realities. You all know, or ought to know, that the idea of co-operative sales effort is a good thing for you. The next step is to pay somebody to study your sales possibilities, so that some tangible plan may be presented you as a basis for a start.

Retain the services of a real business man with merchandising experience on a big scale, preferably a man who doesn't know the nursery business—(and by that suggestion, I imply that a man would be handicapped by too much knowledge of the way the

business has been conducted in the past). Retain a man of vision, ideals, and initiative. Pay enough to get a real man.

Initiate a fund with all the nurserymen's associations starting it with actual contributions payable into a common treasury on a certain date. Invite investments in this fund by all nurserymen.

Then let your Mr. Merchandising Man make his survey of the industry, let there be appointed a group of men like Mayhew of Texas, Watson of New York, Pierson of Connecticut, and Atkins of New Jersey, to advise with him. Atkins is the man who touched off the fuse of the publicity at the recent Florists' convention, and got them started, ahead of you nurserymen.

After fourteen year's experience we tell you that this "Merchandising Expert," "Survey of Industry," "Associations starting fund," etc., plan is your quickest method of action, and the wiser course.

When you get a man to run your campaign who searches for facts, and then bases his actions on these facts, you will have a man whom you can entrust with responsibility—who can make good without the impediment of everyone trying to run his job for him—and you'll get results.

What are you going to do about it? If you're alive to the situation will you write to us, and let us join hands to start something? Let us hear from you.

BOOM YOUR BUSINESS
by advertising your goods in the
Horticulture

Publicity among the kind of readers reached
by this paper is THE SORT OF PUBLICITY
THAT PAYS.

COAL SUPPLY CONFERENCE AT WASHINGTON

The exigencies of the florists in the direction of coal supply were brought to the notice of the Coal Administrator, Dr. H. A. Garfield, through a hearing before Mr. Noyes and Mr. Snead, his executives in Washington, on Tuesday, Dec. 4th, arranged by Wm. F. Gude, Washington representative of the S. A. F. & O. H., and attended by a delegation of members of the Society embracing the following: Chas. H. Totty, president-elect; John Young, secretary; William F. Gude, Washington representative; Robert Simpson, Wm. H. Elliott, F. R. Williams, A. Farenwald, F. R. Pierson, Thomas Roland, H. P. Knoble, F. C. W. Brown, Adolph Gude, C. J. Graham, Harry Breitmeyer, August F. Poehlmann, Richard Vincent, Jr., Alfred C. Hottes, W. J. Palmer, W. H. Siebrecht, Jr., Anders Rasmussen, E. Allan Peirce, Phillip Breitmeyer.

The delegation, which was summoned by Secretary Young, met at Mr. Gude's store in Washington, early in the morning, and entered into a session at 10 a. m., in the rooms of the Washington Bank Clerks' Association, over the Messrs. Gude's store, whereat the situation was defined and a course of action at the hearing determined upon. At this session it was decided that F. R. Pierson should be spokesman, and the brief prepared at the meeting was entrusted to him as its exponent.

Arriving at the Departmental office, the delegation was introduced to Mr. Snead, who very soon showed the delegation that he was familiar with the situation the delegation was to explain.

Mr. Pierson made an eloquent plea for the protection of florist interests, as set forth in the following brief:

Honorable H. A. Garfield,
Fuel Administrator, U. S. A.,
Washington, D. C.

Dear Sir:

We being a committee appointed by and representing the undersigned organizations embracing the whole United States, beg to submit the following facts for your consideration:

Florists are in a different position from any other manufacturer because, while any other factory might be shut down for an indefinite period without entailing any serious loss, if a greenhouse should be shut down during the winter, the buildings would be practically wrecked and their entire value destroyed by the action of snow and ice, as the roofs of greenhouses are not heavy enough to stand the weight of winter snows unless the buildings are kept continually heated.

A temporary shut-down of our greenhouses would cause not only the loss of the buildings themselves but the contents as well. It would be so great that it would lose to posterity the results of many years of labor and scientific investigation as the

perfected results of these efforts would be destroyed beyond repair.

We would, therefore, at a single stroke wipe out the efforts of years of research and plants that have taken years to produce. In view of the destruction of this class of plants in Europe leaving in the greenhouses of America practically all ex-istant stocks, we believe it our duty to posterity to save them. Tender plants of this character cannot be stored in warehouses like other commodities.

There is an important phase of our business that deserves your careful consideration. We refer to the fact that a large proportion of the men engaged in the work of raising flowers are also engaged in producing plants that are necessary for food. There are florists in all towns of any considerable size in the United States who are engaged in growing vegetable plants such as early cabbage, cauliflower, tomatoes, celery, pepper, lettuce, egg-plants, etc., which can only be started under glass in order to get full returns from them. Almost every community depends on its local florists for plants of this character for early outside planting enabling them to produce an extra crop, owing to an early start, thus adding to the food supply. Canning establishments also depend on greenhouses for tomato plants, which are grown by the million, and these have to be started under glass months in advance. The florist business, horticulture and gardening are so closely interwoven that it would be a mistake to embarrass the business of this character by lack of fuel. It has been the policy of the Government to increase food production as much as possible not only by raising farm crops but garden crops also, and by interesting as far as possible everyone that could obtain ground to cultivate crops and thereby increase food production, our industry making the maximum use of limited ground possible and any curtailment of greenhouse activities would defeat this very object, as greenhouses are a necessary adjunct to successful vegetable growing. There is no other business that would suffer so complete a loss as would the florists' business during a temporary shut-down. If a greenhouse should be closed for even a day in midwinter, the work of an entire lifetime would be lost.

May we suggest that the National Fuel Administrator authorize and advise the local State fuel administrators to investigate the urgent needs of all greenhouse establishments for coal under his jurisdiction and so plan to assist him in the saving of his crops.

Respectfully submitted,

which was signed by twenty-two representatives of associations nationally interested in the proceedings.

Mr. Snead admitted the seriousness of the situation, but outlined the position of the Bureau of Coal Administrators as to the distribution of coal, and assured the delegation that the requirements of their industry had the grave consideration of the Board.

As the Department viewed the question, it was evident that it was expected of the florists that they should voluntarily aid in coal consumption economies, and demonstrate to the local administrators that they were keeping their requirements at the minimum; such being determined by the amount of glass which could be conserved for heating from one direct point. The meaning was, obviously, that there was an opportunity for florists to close down all sections requiring auxiliary heating, and to

bring the stock in such sections to those which in the emergency could at least prevent the losses anticipated by lack of fuel.

This was the view both of Mr. Snead and Mr. Noyes, the latter directly representing Mr. Garfield.

There was no representation on the part of the Government officials that there was any intention on the part of the Government to prevent an adequate supply of coal to florists, but it was plainly evident that florists could only expect assistance in cases where personal efforts, properly made, had failed. In other words, it was plainly intimated that it was up to a florist to get a sufficient supply of coal, and if he could not get it, he would have to show why he could not get it, and all this was a matter of complaint to his local Coal Commissioner, in whose hands were his conditions for determination.

It was denied most emphatically that there was to be instituted a "non-essential" class, but it was very apparent that there was to be no mincing of matters when it came to an equitable distribution of natural supplies.

In order that all of the trade papers should receive the results of the conference in time for simultaneous publication, the following telegram was prepared:

"A committee representing twenty-two florist organizations, conferred with the Fuel Administration here today. While flowers are not classed as non-essentials, drastic economy is recommended. The Fuel question should be taken up with the local coal Administrators."

(Signed) by WM. F. GUDE,

Washington Representative, and Secretary Young, Wallace R. Pierson, C. H. Totty, were appointed a committee to prepare a letter covering the meeting to be sent the trade papers also for publication in the same week's issues.

JOHN YOUNG, Sec'y.

Dec. 10th, 1917.

AN ORCHID SALE.

HORTICULTURE PUBLISHING Co.,
Boston, Mass.

Gentlemen—Allow us to correct the report published in the various trade journals as to the selling of the R. H. Patterson collection of orchids, in Lenox, Mass. The entire collection, seedlings and all, was purchased by the Julius Roehrs Company, of Rutherford, and with the exception of about one hundred plants, were moved to our Rutherford conservatories.

Yours very truly,

JULIUS ROEHR'S Co.

Rutherford, N. J.

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Effective publicity

The Woman's Magazine Section of the Cleveland Plain Dealer for November 18, had a full page devoted to pictures showing views in a base hospital "somewhere in France" and the nurses distributing flowers—flowers from home to the wounded men on the cots. The text accompanying the illustrations is by Ella Grant Wilson. We have never seen nor could we imagine a better exemplification of ideal publicity for the florist and his products. We do not know what influence was exerted, if any, to secure this admirable presentation of the service the florist renders to humanity and the tender emotional side of life but its timely practical value to the florist at this period of stress and uncertainty can hardly be estimated. Yet there are actually people in the florist trade who depreciate all attempts at such publicity under present conditions as unwise and ill-timed!

Something we MUST do

A very thoughtful and edifying lecture on "Preventable Wastes of Coal in the United States, with a Consideration of Alternative Methods of

Its Elimination," was presented at the annual meeting of the American Society of Mechanical Engineers on December 7 by David Moffat Myers. The fuel problem is perhaps the most important question before the florist trade at the present time and we regret that we have not the space at our command in which to reproduce this lecture complete for our readers. We would state, however, that copies of it may be obtained on application to the Bureau of Mines, in Washington, and we strongly recommend that our readers who have to do with greenhouses should send for a copy. Coal is wasted in vast quantities by many industrial plants and it is undeniable that the greenhouse industries are to some extent participants in this extravagance very often. On this subject we present a timely article in this issue from one of our own craftsmen, Gustave Thommen which will, we believe, set some of our readers to thinking and perhaps to doing something to help individually in the widespread effort to eliminate waste and carelessness and bring about greater efficiency in the use of coal. Under present conditions a plant carelessly operated receives from the Government the same consideration in the delivery of coal as the one whose efficiency is much higher, which, as Mr. Myers points out, is manifestly unfair and it is to be expected that the Fuel Administration will follow this up in a systematic way in due time and this matter of efficiency or wastefulness will certainly be taken into consideration when the question of allowable supply comes up.

Patriotic co-operation assured

So far as we have had opportunity to ascertain the feeling of the flower growers as regards the suggestion that they devote a substantial portion of their greenhouse space to the growing of food plants during the coming season, it appears to be their purpose to comply cheerfully with the advice to that effect, as given by the Fuel Administration at the interview in Washington last week. Liberal bench room will be used for the growing of young tomato plants, cabbage, cauliflower, celery, egg plants and other stock for the vegetable garden and the difficulty experienced by the public last spring in procuring suitable stock of these things for planting out is not likely to be repeated. Some of the largest and most notable rose and carnation growing establishments in the country are planning to take up these cultures on a large scale and it follows that the quality provided by places of this character will be vastly superior to that which we have been accustomed to see exposed for sale heretofore. The foregoing assurance that the greenhouse industries will not be reluctant in coming forward to do their full share in every possible way to help increase the food supply for next year should be and no doubt will be recognized and appreciated in government circles where the need for this sort of co-operation in the exigency which now confronts this country is much more fully comprehended than we can possibly realize. Spontaneous unselfishness has always been a conspicuous characteristic of the people in the flower trade, as churches, hospitals and charitable institutions everywhere can abundantly testify. During the past year, especially, the Red Cross has found the florist ever ready to put his shoulder to the wheel and help, Liberty bonds have found liberal takers in the ranks of the florists and every department of the industry has yielded its full quota of young men in response to the country's call.

THE S. A. F. PUBLICITY CAMPAIGN

A joint meeting of the Publicity Committee and the Publicity Finance Committee of the Society of American Florists and Ornamental Horticulturists was held at the Hotel Hollenden, Cleveland, Ohio, on Friday, Dec. 7th, with the following in attendance:

Henry Penn, Boston, Mass., chairman of the Publicity Committee; T. H. Joy, Nashville, Tenn.; Joseph Heacock, Wyncote, Pa.; George Asmus, Chicago, Ill., chairman of the Publicity Finance Committee; Herman Knoble, Cleveland, Ohio; F. L. Atkins, Rutherford, N. J.; Wallace R. Pierson, Cromwell, Conn.; John Young, New York, secretary; and Chas H. Totty, Madison, N. J., president-elect of the Society.

The meeting was called to order at 10 a. m., and the session lasted practically throughout the day, with the exception of a short recess for lunch.

It was decided, by motion, that at all joint meetings of the committees, the president of the Society, or the president-elect, act as chairman, consequently Mr. Totty presided.

Some time was occupied in a general discussion of plans covering procedure, and it seemed to be the general opinion that the publicity work be placed in the hands of a first-class advertising agency, and that the campaign be started at once. It was thought that the trade papers could lend material aid, and committees were appointed to wait upon the different editors and request that a page in each issue be devoted to the work of the campaign, with a view to stimulating among the trade a proper interest in the project, and urging subscriptions toward the expense. The Secretary was instructed to notify the editors that the committees would call upon them within a few days.

Mr. Heacock expressed his very great interest in the campaign, and volunteered, if at the end of a year it could be shown that the proposed publicity had been of benefit to the florist business in general, to increase his contribution from \$500 to \$1,000 per year. Wallace R. Pierson announced that he was ready to do the same.

The committees regretted an apparent lack of interest in the campaign in some of the large flower centers, and discussed ways and means to arouse a better understanding of the importance of the work. Fred Cowperthwaite, secretary of the Florists' Club of Philadelphia, having intimated

his desire to be relieved of his appointment as chairman of the local publicity committee for Eastern Pennsylvania, his request was granted, and Mr. A. A. Niessen of Philadelphia was appointed by Chairman Asmus of the Publicity Finance Committee to the vacancy. The chair suggested that the Secretary notify Mr. Niessen that he would also be appointed State Vice-President for Eastern Pennsylvania for the ensuing year, so that his office would be continuous.

Chairman Penn of the Publicity Committee requested that Patrick Welch of Boston, be appointed in his place as chairman of the local Commit-

tee each for a personal appearance in support of their respective offers, and that where there was no personal representation the Secretary read the brief submitted.

The Secretary presented letters from the Tracy-Parry Co. of Philadelphia, and a prospectus and program from Mr. Eyles of the Richard A. Foley Advertising Agency of Philadelphia.

Miss Newlin, representing the Percival K. Frowert Co., New York, was introduced and presented the case of her agency. Mr. Jennings of Cleveland followed and outlined a plan which gave prominence to the "Metropolitan Magazine," supplementing his remarks with an address detailing his experience of many years in publicity work.

L. W. C. Tuthill of the Tuthill Advertising Agency, New York, presented a campaign plan and outlined the assistance his house was prepared to render. Mr. Burke of New York, in the interests of street car advertising exploited the advantages to be derived from street car advertising, and exhibited signs that had already been used in cars by florists.

Mrs. Ella Grant Wilson of Cleveland outlined a proposed plan of campaign she was prepared to carry out, and exhibited specimens of her publicity work for florists, the excellence of which was commented upon by all present. The last hearing was one given to Major P. F. O'Keefe, representing the O'Keefe Advertising Agency, Boston. He presented a plan in detail, and several sketches and other material suitable for display advertising.

After the hearings, the Publicity Committee went into executive session, when all the proposals received very careful and conscientious consideration, with the result that it was decided to recommend to the Publicity Finance Committee that the O'Keefe Advertising Agency be engaged to conduct the campaign in accordance with the terms of their proposal. The Publicity Finance Committee then went into session, when the recommendation of the Publicity Committee was adopted, with unanimous approval. Both Committees re-convened in joint session, and the proposition of the O'Keefe Agency was thoroughly discussed from a working point of view. Upon motion of Mr. Pierson the proposal was accepted, to cover such ex-



MAJOR P. F. O'KEEFE

tee for Massachusetts, and Chairman Asmus also made this appointment.

The slogan, "Send Flowers—Always a Good Idea," came up for discussion, and the meeting seemed to be of the opinion that the word "plants" should be used in publicity copy whenever possible.

After a thirty minute recess for lunch the meeting became occupied with the consideration of several estimates and bids put in by various advertising agents, and as some of these agencies had representatives present in the hotel, it was arranged that they be allowed a period of fifteen minutes

Say It With Flowers

penditure as may be authorized by the Publicity Committee, the vote being unanimous. It was also suggested the Publicity Campaign begin with St. Valentine's Day, if there was time to start the work properly.

The meeting spent considerable time in discussion as to the advisability of establishing a "Promotion Bureau," as had been suggested by Major O'Keefe, but the Publicity Committee recommended that inasmuch as the Society had executive offices in New York, the work be conducted in the charge of that office, and that the publicity matter and other material prepared be sent to the Secretary for distribution. The recommendation was accepted by the Publicity Finance Committee, and appeared to be acceptable to Major O'Keefe. Major O'Keefe, Mr. Penn and Secretary Young were appointed a committee to secure the services of a competent person to prepare articles for publicity purposes.

Upon the recommendation of the Publicity Committee, accepted by the Publicity Finance Committee, the joint committee, on motion of Mr. Pierson, an appropriation of a sum not to exceed \$2,000 was unanimously voted to the use of the "Promotion Bureau."

The matter of a good slogan for the campaign was again brought up and discussed, when it was felt that a slogan suggested by Mr. O'Keefe, "Say it with Flowers," was to the point, and it was, therefore, upon motion of Mr. Atkins, unanimously adopted.

Before adjournment the result of the meeting was announced to all in attendance, and Major O'Keefe was called before the meeting and formally notified of the acceptance of the proposition presented by the agency, which notification he suitably acknowledged, pledging his best efforts toward making the campaign so successful that the available publicity fund another year would be double that now being raised.

JOHN YOUNG, Sec'y.

Dec 10, 1917.

At the joint meeting of the Publicity Committee and the Publicity Finance Committee, held in Cleveland,

ERICA MELANTHERA.



Photo by A. L. Miller

The Popular Christmas Blooming Heather in 3½ in. Pots

Dec. 7, the Secretary submitted an up-to-date report, showing who had subscribed to the campaign and the grand total of these subscriptions, amounting to \$26,000. Chairman Asmus of the Finance Committee intimated that the subscriptions from Chicago would be sent in shortly, that the work was progressing favorably, and that about \$4,000 had already been subscribed in that district.

The following additional subscriptions have been received:

By The Florists' Telegraph Delivery Association: J. W. Dudley Sons Co., Parkersburg, W. Va., \$25.00 (second subscription); Walkers' Minot Greenhouses, Minot, N. D., \$15.00; Hollywood Gardens, Seattle, Wash., \$5.00; Aug. Reicher, Michigan City, Ind., \$10.00; C. D. Stratton, Lancaster, Wis., \$5.00; Atchison Seed & Flower Store Co., Atchison, Kansas, \$5.00; G. Van Bochove & Bros., Kalamazoo, Mich., \$25.00; Thos. Gill, Berlin, N. H., \$10.00; Sam Sheinuk, Baton Rouge, La., \$5.00; F. Dorner & Sons Co., La Fayette, Ind., \$10.00; Grimm & Gorly, St. Louis, Mo., \$50.00 (second subscription); C. F. Rice, Lake Shore Greenhouses, Albert Lea, Minn., \$5.00; John E. Sten, Red

Wing, Minn., \$5.00; annually for four years.

By D. C. Horgan, Macon, Ga. Wildwood Greenhouses, Columbus, Ga., \$5.00 (annually for four years).

Total, \$180.00. Previously reported from all sources, \$25,723.00. Grand total \$25,903.00.

JOHN YOUNG, Secy.

Dec. 8, 1917.

INTERNATIONAL FLOWER SHOW POSTER COMPETITION.

Poster artists have been offered an opportunity to compete for the prize for the best design submitted for the poster of the annual Flower Show to be held in Grand Central Palace, New York, March 14-21, 1918. The prize offered for the 1918 poster is \$100 in gold and the artist who wins this will benefit materially by the publicity to be derived from the award.

The Flower Show is to be held again under the auspices of the Horticultural Society of New York and the New York Florists' Club, co-operating with the International Exposition Company, and a competent committee will judge the designs submitted.

The following are the conditions of the contest:

1. All designs submitted must measure 18 by 25 inches or be of a size which will reduce to these dimensions upon reproduction.
2. Designs must be drawn suitable for lithographic reproduction in not more than three colors.
3. The following must be lettered on all drawings submitted:

International
FLOWER SHOW
Grand Central Palace
March 14 to 21. Adm. 50c.

4. All drawings must be sent to John Young—Secretary of the Show—at 53 West 28th street, and in order to be considered in the competition they must be submitted on or before January 1, 1918, the day on which the competition closes.



BEGONIA CINNATIFOLIA.

ESTABLISHED 1846

THOMAS F. GALVIN, Inc.*The Leading Floral Establishment
of New England***The Delivery of Flowers or Floral Work in Boston and Vicinity on Telegraph Orders from Anywhere is
a Specialty of our Business****Transfer Your Christmas Orders***To Either of the Following Addresses and They
will be Promptly and Carefully Filled***THOMAS F. GALVIN, Inc.****1 Park Street—BOSTON—799 Boylston Street****New York Store, 561 Fifth Avenue****ROEHRS' CHRISTMAS FEAST.**

A feast of good things for the holiday plant demand has been provided for the florist trade by the Julius Roehrs Company at Rutherford, N. J., and active buying has already begun. One great attraction is the Begonia section where a long line of houses is devoted to Lorraines, Cincinnati, Melior and, finest of all, Mrs. J. A. Peterson. They make a gorgeous show, indeed. There is a house of Euphorbia Jacquiniaeflora that will gladden the heart of any visitor, with its beautiful long arching sprays of coral bloom. Of ericas there are several houses, the great Christmas flowering favorite, E. melanthera, taking the lead but in addition there are President Carnot, ovata and others, all splendid subjects for mixed baskets. Poinsettias, of course, are a strong feature and they are grand. In colored foliage plants we should put the Dracaena terminalis and Lord Wolesley first choice. They are all brilliantly colored this fall, better than customary. Then there are Dracaenas Mas-songean and amabilis, house after house of palms, ferns and araucarias, and the big tropical range offers an endless array of attractive and rare things. Looking over this holiday display one concludes that we shall get along quite comfortably without azaleas this year.

The orchid range is attractive as ever. Cattleya labiata is just through blooming and Trianae is just starting in. Bridging the gap between these two is Percivaliana which at present is furnishing most of the flowers. The biggest thing, however, for the plantsman to see is the stock of young hybrid cattleyas of which there are ten thousand home-raised, in pots, and myriads in seed pans. This work is being carried on by Ed. Roehrs who is an orchid expert and in a year or two more there will be something worth seeing here. It looks as though the hybrid raising might yet revolutionize the orchid business.

A whole house each is given to Acacias Bayleyana and longifolia. The former are mostly standards, 6 to 8 feet tall in 10-12 inch pots. Longifolia is in low bushy specimens and when in bloom, say from February 15 on till Easter, will present a beautiful picture.

NEWS NOTES.

Binghamton, N. Y.—Davis & Coleman, contractors and builders, are now making extensive repairs to the Susquehanna greenhouses which were recently damaged by fire.

Pen Yan, N. Y.—Fire which started in the basement of the flower establishment of Lewis J. Brundage in Pen Yan did damage amounting to \$500 before it could be extinguished. It is thought that the fire started from an overheated pipe.

THE OPPORTUNE MOMENT.

Charles E. Grakelow, one of the brightest and most progressive of Philadelphia's retail florists, says, "the time to advertise is when business is 'on the blink.' The average man believes what he reads and when his mind gets massaged up to the point he goes and does it. Just now, especially, we have got to hustle for all we are worth to keep business from going backward. This year I am spending more money than ever in advertising and while it is a hard fight I am proud to say my business is on the increase."

Doylestown, Pa.—Enforcement of the State nursery inspection law, which became operative this autumn, has resulted in a number of prosecutions of men who refused to comply with provisions of the act laid down by Secretary of Agriculture Charles E. Patton, who is charged with administration of the act of 1917. Most of these men were served with notices and when they refused to comply, the law was invoked. Professor J. G. Sanders, the State Zoologist, says that the large nursery establishments cooperated in the administration of the law and opened their plants to inspection and removed such as were declared dangerous by the inspectors. Some of the smaller plants, however, made some trouble.

CLUBS AND SOCIETIES

NEW YORK FLORISTS' CLUB.

The monthly meeting of the New York Florists' Club on Monday evening, December 10, was attended by a goodly number of members, attracted in part by the fact that officers for the year 1918 were to be elected. A number of gentlemen who had been nominated for the several offices withdrew their names before balloting began so that Charles Schenck, for president, John Young for secretary and W. C. Rickards, Jr., for treasurer had no competitors and were elected unanimously. For vice-president there were three candidates, P. W. Popp winning out. There were five candidates from which to select three trustees, the fortunate ones being Peter Duff, Wm. P. Ford and A. H. Donaldson. President-elect Schenck being called upon gave a nice little talk, assuring the club of his appreciation of the honor bestowed and promising to do all in his power as presiding officer to promote the efficiency and welfare of the organization. He interjected some remarks on the good asset which he felt the club to have in its able and industrious secretary. Brief talks in similar tenor were given by the other officers-elect.

F. R. Pierson gave a very interesting account of his visit to Washington as one of the delegates to present the florists' needs in the coal supply emergency. He strongly urged that florists should devote a portion of their glass to the production of food plants as an adjunct to the flower business. His remarks were received with approving applause and later in the evening a resolution favoring his suggestion was unanimously adopted. W. C. Nolan of Philadelphia, who was one of the seven new members added to the roll, said that there was plenty of coal already mined but means for moving it were woefully lacking. C. H. Totty expressed similar views. A. Herrington asked for more consideration than has been accorded to lecturers on some occasions when they were not given the platform until an unreasonably late hour. Philip F. Kessler presented the bill for the recent Ladies' Night at the Hotel McAlpin and same was ordered paid and a standing vote of thanks given to Mr. Kessler for his efficient services as chairman of the house committee during the year.

Exhibits of the evening were as follows: Chrysanthemum Golden Mistletoe Sport, and Yellow Pompon Sport of Chrysanthemum Baby, from A. N. Pierson, Cromwell, Conn.; Carnation Enchantress Sport XX, and Carnation Rose Pink Enchantress from C. H. Allen, Floral Park, N. Y.; Carnation Olive Whitman from M. Matheron, Baldwin, N. Y.; Rose Silvia and Rose Rosalind, from F. R. Pierson, Tarry-

Meetings Next Week

Monday, Dec. 17

Detroit Florists' Club, Bomb Floral Hall, Detroit, Mich.
Houston Florists' Club, Chamber of Commerce Rooms, Houston, Tex.
New Jersey Floricultural Society, Orange, N. J.

Tuesday, Dec. 18.

Gardeners' and Florists' Club of Boston, Horticultural Hall, Boston, Mass.
Gardeners' and Florists' Club of Ontario, St. George's Hall, Toronto, Can.
Minnesota State Florists' Association, Minneapolis, Minn.
Pennsylvania Horticultural Society, Griffith Hall, Philadelphia, Pa.

Wednesday, Dec. 19.

Rhode Island Horticultural Society, Public Library, Providence, R. I.
Tarrytown Horticultural Society, Tarrytown, N. Y.

Thursday, Dec. 20.

Essex County Florists' Club, Kreuger-Auditorium, Newark, N. J.
New Orleans Horticultural Society, Association of Commerce Bldg., New Orleans, La.
North Westchester County Horticultural Society, Mt. Kisco, N. Y.
Tacoma Florists' Association, Macabee Hall, Tacoma, Wash.

Friday, Dec. 21.

North Shore Horticultural Society, Manchester, Mass.

Saturday, Dec. 22.

Dobbs Ferry Gardeners' Association, Dobbs Ferry, N. Y.

town, N. Y.; *Primula malacoides* Townsendi and *Capsicum* Christmas Joy, from A. L. Miller, Jamaica, N. Y. The capsicum received an award of high commendation.

BUFFALO FLORIST CLUB.

At the regular meeting of this Club, on Dec. 4th, secretary Wm. Legg delivered an address on "Home Gardening," a brief summary of which follows:

"Effective cultivation of vegetables and flowers for the home is possible only when the amateur gardener has been trained from early years in garden-craft. To this end, our schools and playgrounds ought to have gardens in connection with their other forms of equipment by means of which the school children become familiar with the work. The florists would not lose; but rather gain by this added popularization of horticulture; for in the winter the flower grower of summer months would miss the brightness of his garden more than if he had not learned to depend upon flowers as a part of his life, and he will hie him to the florist's shop to be an appreciative customer."

Mention was made of the fact that Wm. J. Palmer has gone to Washington to work in the interests of the florists in the present threatened coal situation. This announcement opened a general discussion upon the topic, and a resolution was adopted to be sent to Mr. Gude of Washington and one copy to each of the Congressmen representing this district, asking for considerate action. In the course of

Why

Ginn *The Florist* ?
Park St., Boston

Because Satisfaction Is Guaranteed!

Usual Trade Discount.

the discussion the following reasons were brought out:

1. Since from the nature of the florists' work it is necessary to prepare for each crop almost a year in advance of its maturity, the close of the war would bring the grower about to re-open business, face to face with the proposition of operating a year without profit. After a period of idleness with expenses for taxes and repairs just the same, he would not find the capital at hand to carry him through this year.

2. If the growers throughout the country had to abandon their businesses a large number of men, for the most part well along toward later life, would be suddenly put out of work at a time when because of their age, they would be of no use to the military forces of the country, and would not be able to learn a new trade on such short notice.

3. Many horticultural plants are in the form of highly developed varietal types, which, if once lost through the freezing up of greenhouse establishments, would be forever exterminated. In this way horticulture might be set back a century, or at least the stock of some varieties so far depleted that considerable time would elapse before it would be again abundant.

4. Many growers of the more slowly maturing crops as orchids, palms and decorative plants would lose heavily and be unable to start in business again on a paying footing since so long a time would be required to develop a complete stock again.

5. Is it fair to penalize floriculture while other industries purvey to pleasures frequently less helpful and often actually harmful?

6. Many florists grow vegetable plants in the spring. They could not grow vegetables during the entire year but rely on flowers during the winter. They could not afford to keep their expensive equipment and labor force simply to raise vegetable plants in spring.

JAMES A. CRAWFORD.

GARDENERS' & FLORISTS' CLUB OF BOSTON.

The next regular meeting of the club will be held at Horticultural Hall, Dec. 18, at 8 p. m. Officers for 1918 will be elected by Australian ballot; all members in good standing are entitled to ballot. Flower publicity will be the subject of the evening and Major P. F. O'Keefe, a noted advertising expert, will be the lecturer. Several of the leading publicity members of the local S. A. F. Publicity Committee will be present, and a cordial invitation is extended to all growers, wholesalers and retailers to attend and give Boston's Flower Publicity Campaign an auspicious start. There will be interesting exhibits of Christmas plants and flowers, and a large addition of new members is assured. It is hoped that all members who can possibly attend will do so on this closing meeting of the year.

W. N. CRAIG, Secy.

GREAT REDUCTION SALE

Why the BOSTON FLORAL SUPPLY CO. can sell supplies at a reduced rate:

- (1) We are large manufacturers and buy our RAW stock in large quantities at reduced prices.
- (2) The finished product goes to you from us DIRECT—only one profit.
- (3) Our individual profits are very small, but our sales are large.
- (4) Every article you purchase from us is fully GUARANTEED.

CYCAS

Size	Per 100	Size	Per 100	Size	Per 100
8 to 12.....	\$1.75	20 to 24.....	\$3.60	36 to 40.....	\$6.25
12 to 16.....	2.25	24 to 28.....	4.25	40 to 44.....	6.75
16 to 20.....	3.00	28 to 32.....	5.00	44 to 48.....	7.50
		32 to 36.....	5.75		

We prepare the above leaves right in our own factory—they are flexible, do not mould and are of a fine color.

MANILA BOXES

Size	Per 100	Size	Per 100
18 x 5 x 3	\$2.40	36 x 14 x 6	\$11.00
21 x 5 x 3 1/2	2.80	36 x 12 x 6	10.80
24 x 5 x 3 1/2	3.40		
28 x 5 x 3 1/2	4.20	BOUQUET BOXES	
21 x 8 x 5	4.20	19 x 9 x 8	\$7.00
30 x 5 x 3 1/2	4.60	WREATH BOXES	
28 x 8 x 5	4.80	16 x 16 x 7	\$ 7.60
24 x 8 x 5	4.80	18 x 18 x 8	9.20
30 x 8 x 5	6.40	20 x 20 x 9	11.20
36 x 8 x 5	7.80	22 x 22 x 9	13.20
30 x 12 x 6	9.20		

Printing Free on orders of 300 boxes or more. In smaller quantities, 50c.

Ferns, Galax, Sphagnum Moss, etc.

DAGGER and FANCY FERNS.....	\$1.20 per 1000
GREEN GALAX .....	.80 per 1000
SPHAGNUM MOSS, 5-bbl. bales.....	1.80 per bale

WAX PAPER

	Per Ream
	White Green
12 x 18	\$0.65 \$0.80
18 x 24	1.30 1.50
24 x 36	2.60 3.00

Florists' Sticks

	Plain	Green
5-inch	\$0.40	\$0.45
12-inch85	1.05
18-inch	1.30	1.50

TISSUE PAPER

24 x 36	\$1.30
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Wired Toothpicks

Box of 10,000.....	\$1.80
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CHIFFONS

4-inch, Plain, Striped edge.....	6c per yard
6-inch, Plain, Striped edge.....	8c per yard

15% DISCOUNT ON ABOVE CHIFFONS

SAVE 20%

We are Headquarters for Baskets, Window Boxes, Artificial Flowers, Wax Designs and Wire Frames. Every article is manufactured right on our own premises. Give us a small trial order. Remember, you buy direct and there is only one small profit

EVENTUALLY! Why not NOW?

BOSTON FLORAL SUPPLY CO.

347 to 357 Cambridge Street, BOSTON, MASS.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



BANQUET OF THE NATIONAL ASSOCIATION OF GARDENERS AT HOTEL SHERMAN, CHICAGO, DEC. 4.

NATIONAL ASSOCIATION OF GARDENERS.

The annual convention of the National Association of Gardeners which met at the Hotel Sherman, Chicago, Dec. 3, 4, 5, was called to order by P. J. Foley, president of the Foley Greenhouse Manufacturing Co., on the afternoon of Dec. 3rd, the morning being given up to a board meeting. The gardeners were welcomed to the city by Henry R. Rathbone, who was unstinted in his praise for the work of the private gardener. Thos. W. Head, president of the association, then took the chair and gave an able address. The reports of officers and other business followed. The changing of the time of meeting from December to October, the raising of the annual dues from \$2 to \$3 and the selecting of Cleveland, O., as the next place of meeting were the most important changes made. The banquet followed in the Crystal room and with A. Henderson as toastmaster the hours were spent in delightful exchanges of ideas in which plenty of wit mingled. Wednesday was given over to sightseeing and Thursday found all ready to finish up the business of the convention. Some splendid arguments in favor of a college education for the sons of gardeners was made by H. B. Dorner of the University of Illinois. Altogether it was a very successful meeting and those who were at this convention will be likely to attend future ones. Nearly 100 names were on the books at the close.

GARDENERS VISIT LAKE FOREST.

The annual convention of the National Association of Gardeners, which took place in Chicago, Dec. 3-4-5, had an especially pleasant outing on Wednesday afternoon, when the members and friends were the guests of the North Shore Horticultural Society. Two special cars and two diners carried about one hundred out to Lake Forest and they did full justice to the

splendid dinner served en route. Lake Forest is one of the most beautiful of the North Shore suburban towns. The first stop was made at the home of J. Ogden Armour, where the formally arranged grounds and conservatories were inspected and admired. Everything showed the most painstaking care of the superintendent, Thos. W. Head, President of the National Association of Gardeners. Automobiles carried the visitors to the C. H. McCormick place. Here nature was seen at her best, but with little embellishment. The committee could not have done better than to select these two places. Mrs. Fischer, wife of superintendent W. E. Fischer of the McCormick estate entertained the ladies of the party at her home in a very hospitable and charming manner. In this she was assisted by Mrs. Geo. Wilson, whose husband is superintendent of Mrs. Hall McCormick's Sr's place, and Mrs. Frank Kuehne, whose husband is in charge of the estate of C. M. Carr. A short but delightful entertainment was provided at the O'Neill Hall at Lake Forest, where the chief features were the address of Mayor Adington and bountiful refreshments. The Mayor paid a fine tribute to the private gardeners whose work was so evident in Lake Forest and elsewhere.

AMERICAN ROSE SOCIETY.

Heretofore the American Rose Society has had three classes of membership—Life, Active, and Associate. Only the Life and Active members have had a voice in the management of the Society. As the Associate membership has grown from 51, in 1915, to 1,646, on November 9, 1917, the unfairness of this relation influenced the controlling Active and Life membership—totaling 274 in 1917—to institute such constitutional changes as would provide for equal participation.

By practically unanimous action of the voting Active members, in person or represented by proxy, at the Cleveland meeting, November 9, 1917, the constitution of the American Rose Society was so amended as to include but two contributing classes, Life and Annual, with equal voting powers.

Automatically, in consequence, all Associate members for 1917 now become fully participating Annual members, with all the voting and other privileges formerly possessed only by the Life and Active members.

It is believed that this action will result in greatly increasing the influence and usefulness of the American Rose Society, and that the interest of the large membership may be depended upon to make 1918 the most notable rose year America has yet known.

Our English rose-growing friends of the National Rose Society believe they are better supporting the War for Democracy in maintaining the supremacy of the Queen of Flowers, as well as in giving, as we also are doing, our best in blood and money. The same word of rose maintenance comes to us from France.

It is hoped that 1918 in the United States will witness the holding of many rose shows in the main blooming-time, probably so held as to provide opportunity for additional support to the Y. M. C. A. War Work. Early announcement in 1918 will be made of details and prize arrangements, upon a basis of simple and democratic competition, open alike to the experienced rosarian and to the man or woman who has one perfect rose to exhibit.

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1918, the usual great spring and autumn sales. The Society will also publish a new Annual, which will be a valuable addition to the horticultural literature of the country.

In readjusting the membership relations above referred to, and in consideration, not only of the much-increased cost of service to its members and of the publication of its invaluable Annual, it was found wise to place the annual membership fee at \$2.

E. A. WHITE, Secy.,
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CHICAGO FLORISTS' CLUB.

The regular meeting of the Chicago Florists' Club was held at the Briggs Hotel, Dec. 6th, with a good attendance of members and many guests from those attending the National Association of Gardeners. The principal business was the election of officers which resulted as follows: President, Fred Lautenschlager; vice-president, O. J. Friedman; secretary, Allie Zech; treasurer, Otto Amling; trustee, Tim Waters. It was decided to remember each man connected with the trade, now serving our country, with a Christmas token and Fred Lautenschlager, E. Ollinger and T. Waters were named as committee. It was voted to send an F. T. D. to Miss Rudd who is now in France doing her part in the world's struggle. The secretary was instructed to write a letter of thanks to the Texas florists for the kindly interest they have taken in our boys there in camp. The rules were suspended and P. W. Popp of Mamaroneck, N. Y., was taken into membership. Mr. Macintosh of Stillwater, Minn., gave a very interesting talk on prisons.

WORCESTER COUNTY HORTICULTURAL SOCIETY

The Worcester County (Mass.) Horticultural Society elected Charles Greenwood president to succeed Arthur E. Hartshorn, who resigned after serving as president two years, at its annual meeting in Horticultural Hall. Mr. Greenwood was a vice-president and has served as judge of vegetables and chairmen of committees for several years.

His election necessitated other changes in offices and the elections were followed by the reading of reports of officers and chairmen of committees and a discussion of the financial condition of the society and its work for the coming year. Myron C. Converse, chairman of the finance committee, recommended that the society make a study of finances, avoid unnecessary expenditures and retrench in accordance with the spirit of the times.

The society's expenses have been increasing for several years, but its income has remained the same. It was voted to appropriate \$5500 for exhibitions and other purposes, and to buy a service flag and an honor roll. The society has several members in government service, and their names will be inscribed on the honor roll, which will be hung in the library.

Leonard C. Midgley, David L. Fiske, and Alfred Knight were elected vice-presidents; Herbert R. Kinney, secre-

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tary; Miss Lucy M. Coulson, librarian, and Burt W. Greenwood, treasurer.

The trustees elected include Joseph A. Allen, Harding Allen, Henry B. Watts, Edgar M. Bruce, Henry W. Carter, William McAllister, William Anderson, Edward W. Breed, Walter D. Ross, Fred L. Chamberlain, Harry W. Goddard, Herbert A. Cook, Mrs. Homer Gage, Mrs. Frank C. Smith, J. Lewis Ellsworth, Allyne W. Hixon, Simon E. Fisher, Mrs. Percy S. Forbes, Henry H. Browning, Joseph K. Greene, Ben M. Chamberlain, H. Ward Moore, Burton W. Potter, George C. Rice, Howard E. Sumner, Wm. J. Wheeler, Albert H. Lange and Charles W. Wood.

Burt W. Greenwood, treasurer, read a report showing that the total receipts for the year were \$13,530.63, which with the cash on hand December 5, 1916, made a total of \$20,687.72. The expenditures were \$13,197.86, leaving cash on hand December 5, 1917, \$7489.51. The total resources of the society are \$119,478.65.

Mr. Hartshorn was elected a member of the finance committee to serve three years and Walter D. Ross was elected for a three-year term on the nominating committee. Edward W. Bred, Charles W. Wood and Mr. Ross composed the nominating committee that presented the list of officers this morning.

ENTERTAINING THE SOLDIER BOYS.

A very enjoyable entertainment was given Tuesday evening by the Florist Club of Houston to the florists, nurserymen, etc., wearing Uncle Sam's uniform at Camp Logan. The affair was in the form of a spread and social evening held in the Banquet Hall of the Y. M. C. A., and everybody present voted it an entire success.

The idea of getting the soldiers together and making them acquainted with members of the Florist Club was suggested by S. J. Mitchell, a member of the Club. Henry Kuhlmann, president of the Club, made the address of welcome, and R. C. Kerr, President of the Society of American Florists, acted as Master of Ceremonies.

Mr. Kerr in opening the program after cigars were lighted, for the benefit of the men who have been too busy drilling to keep up with the floral business, gave a short sketch of things of interest in the florist line during the past few months. He spoke of the coal shortage and of the plans of Mr. Garfield to remedy matters as far as possible; of the effect of the war upon business in general, saying that in the North and far East business had been a little below normal but that in the South and West it had been above normal. He referred to the importance of the publicity movement, and said that properly carried out, this should double business in five years. It was just as easy to get the people to buy flowers by constant advertising as it

had been to get them to eat shredded wheat and other breakfast foods. Mr. Kerr invited the soldiers to make themselves at home in his store and to attend all the meetings of the Florists Club; in this invitation he was joined by all the other florists of Houston.

Clarence L. Brock, Supt. of Parks, read a paper on Our Florist Soldiers and the War, pointing out how the florist knows at first hand the fight that the plants make for existence and that his training tends to make him a good soldier. Mr. Brock introduced the reading of his paper by saying a few words as to Houston Parks.

Scudday Richardson read a paper on The Flower, a Symbol of Triumph, giving a short sketch of the history of flowers in triumphal architecture. A stirring address was made by the orator of the evening, John Charles Harris, a distinguished member of the Houston Bar. Before adjournment, the Company sang "The Star-spangled Banner" and was photographed by flashlight. All the soldiers were urged to attend the next meeting of the Club, to be held Monday, Dec. 10th, at the Brazos Greenhouses.

A hospitable talk was made by E. C. Brock, President of the Young Men's Business League, offering the hospitalities of the organization, and short talks were made by Paul M. Carroll, Wm. A. Reynaud, of O. P. Jackson & Co., seeds, and Albert Marien, City Gardener.

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 ELKHART, IND.
 West View Flo. Co.
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 EL PASO, TEX.
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 ELYRIA, O.
 Hecker Floral Co.
 Elyria Flower Store.
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 E. G. Burrows.
 ERIE, PA.
 John V. Laver,
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 Miles R. Miller,
 921 Peach St.
 ESCANABA, MICH.
 Christ, Peterson &
 Son.
 EVANSTON, ILL.
 Usher Bros.,
 614 Dempster St.
 M. Weiland,
 602 Davis St.
 EVANSVILLE, IND.
 Blackburn Floral Co.
 EXETER, N. H.
 John R. Perkins,
 23 Lincoln St.
 FAIRBURY, NEB.
 C. Hurlburt.
 FARGO, N. D.
 Smedley & Co.
 FAYETTEVILLE, Ark.
 Southwestern Seed Co.
 FLORENCE, S. C.
 De Witt House.
 Palmetto Nurseries.
 FLSHING, N. Y.
 Geo. J. Frick,
 7 Jamaica Ave.
 FOND DU LAC, WIS.
 Haentze Co.
 FORT DODGE, IA.
 Atwell Florist.
 FT. COLLINS, COLO.
 Espin & Warren.
 FT. MADISON, IA.
 J. M. Auge.
 FT. MORGAN, COLO.
 Morgan Floral Co.
 FT. SMITH, ARK.
 George Rye,
 The Plaza.
 FT. WORTH, TEX.
 Baker Bros. Co.
 J. E. McAdam.
 Drumm Seed & Floral
 Co.
 FT. WAYNE, IND.
 Flick Flo. Co.
 FRAMINGHAM, MASS.
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 37 Main St.
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 John Bauscher,
 104 Chicago St.
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 I. L. Pillsbury.
 GRAND RAPIDS, MICH.
 Eli Cross,
 60 Monroe Ave.
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 1057 Wealthy St.
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 Aves.
 Hartnett Flower Shop
 19 Park St., N. E.
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 Electric City Cons.,
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 Meier-Schroeder Co.
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 HAGERSTOWN, MD.
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 F. E. Ridenour,
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 Welch the Florist.
 J. Albert Brodrib.
 Geo. McClunie.
 HAVANA, CUBA.
 Carballo & Martin,
 Carlos III, 26-28.
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 Ball Floral Co.
 HELENA, MONT.
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 HIGH POINT, N.
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 HOBOKEN, N. J.
 J. Grulich & Son
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 H. L. Chadwick.
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 P. M. Carroll.
 K. C. Kerr.
 HUDSON, N. Y.
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 HUTCHINSON, K.
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 INDIANAPOLIS,
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 ITHACA, N. Y.
 Boel Floral Co.
 JACKSON, MICH.
 J. B. Blessing.
 JACKSONVILLE,
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 JAMESVILLE, WI.
 Jamesville Floral
 JOHNSTOWN, PA.
 Schmidt, the Fl
 JOLIET, ILL.
 Laho, Florist.
 KALAMAZOO, MI.
 Van Hochove &
 KANKAKEE, ILL.
 George Faber,
 162 S. Washh
 Ave.
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 L. C. Fields,
 10th & Splitlog
 KANSAS CITY, M
 Samuel Murray,
 1017 Grand Av
 A. F. Newell,
 10th & Grand
 Rock Flower Co.
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 Turner & Sons.
 KINGSTON, N. Y.
 Valentin Burge
 Inc.
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 Chas. L. Baum.
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 KOKOMO, IND.
 Cole's Flower Sh
 LA CROSSE, WI.
 La Crosse Floral
 Salzer Seed Co.
 LaGRANGE, ILL.
 LaGrange Flora
 Seed Co.
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 Dorner & Sons
 LAKE FOREST,
 Calvert Flower
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Young & Lester.

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The Wellesley Florist.
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Deliver orders from any part of the country to

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Providence, Rhode Island
Johnston Brothers
LEADING FLORISTS

38 Dorrance Street
Member Florists' Telegraph Delivery

Of Interest to Retail Florists

TO F. T. D. MEMBERS AND BOOSTERS.

Your help and cooperation is absolutely needed to make a better and more efficient F. T. D. Directory to show where our membership can give service quickly.

We want you to make out a list of United States Cantonments and Army Posts, also Canadian Army Camps, giving name of camp and distance from your store, sanitariums, suburbs, small towns and villages in your vicinity where we have no F. T. D. member, state the exact mileage from your place of business, and be sure to have this list typewritten so as to avoid names being misspelled.

Remember that we want an answer by return mail, and we want an answer from all our 525 members, not only from 50 per cent. of our membership.

Do not criticize this new Directory when it comes out if you have not given any co-operation towards it.

It is absolutely necessary that every member shall do some actual work to make this a greater success than we have ever made.

Say It With Flowers

In getting out our last Directory, some of our members sent in their answers just one year after the call had been issued.

You certainly cannot call this co-operation nor efficiency, but after the Directory was printed and sent to our members, a great many made kicks and claimed that some towns, villages, etc., were listed with F. T. D. members whose towns were farther away than they were, and they thought that was wrong. So did I, but why did the ones that complained not send in their lists? It would have overcome this quickly.

Now do your best and do it AT ONCE, but take enough time to do it correctly.

Have you done any business with, or do you know the addresses of, good Retailers in Foreign Countries? If you have, let me have their addresses so I may add them to our present list which will be published as soon as we get our new Directory out.

Yours for better and more co-operation amongst Retail Florists.

ALBERT POCHELON,
Secy. F. T. D.

Detroit, Mich.

Established 1874

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Flowers shipped on all Steamers. Special Correspondence in all the large cities of Europe and the British Colonies. Telegraph and Cable address. Dardsflor.

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Cor. Broadway and Gratiot Aves.
DETROIT, MICH.

Artistic Designs . . .
High Grade Cut Blooms

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Write or Phone to

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NEW YORK

413 Madison Ave. at 48th Street
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Will take good care of your orders
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Orders Filled Day or Night for
CLEVELAND
and State of Ohio
Complete Stock. Regular discount to Trade.
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Flowers of Every Kind in Season

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ANDERSON service means fresh, sturdy
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Flowers by Telegraph

Leading Retail Florists Listed by
Towns for Ready Reference. Orders
transferred by telegram or otherwise
to any of the firms whose address is
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Albany, N. Y.—H. G. Eyres, 106 State St.

Albany, N. Y.—The Rosery, 23 Steuben St.

Bangor, Me.—Adam Sekenger, 32 New-
bury St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 124 Tremont St.

Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

Cleveland, O.—J. M. Gasser Co., Euclid
Ave.

Cleveland, O.—Adam Graham & Sons,
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Cleveland, O.—Knoble Bros., 1836 W. 25th
St.

Cleveland, O.—The Smith & Fetters Co.,
735 Euclid Ave.

Denver, Col.—Park Floral Co., 1643
Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017
Grand Ave.

Los Angeles, Calif.—Howard & Smith,
853 So. Olive St.

New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

New York—A. T. Bunyard, 413 Madison
Ave., at 48th St.

New York—Dards, N. E. corner 44th St.
and Madison Ave.

New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
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New York—Kottmiller, 426 Madison Ave.
and 49th St., also Vanderbilt Hotel.

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Dorrance St.

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Washington, D. C.—George H. Cooke,
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Worcester, Mass.—Randall's Flower Shop,
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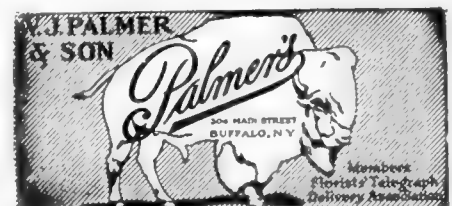
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The largest supply of **Asparagus Plumosus** from the Largest Growing Establishment in this Country

The finest LILIES and CALLAS in the market

Yellow Prince, Benora, Matchless, Ward and Enchantress Supreme Carnations of the highest quality from Schneider & Noe, Congers, N. Y., and William W. Mathews, Great Neck, L. I.

Freesias, Myosotis, Snapdragons, Single Pink, Bronze and Wine Shade Godfrey Chrysanthemums, Stevia and Sweet Peas

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Smilax by the Dozen, Hundred and Thousand Strings

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Cadillac, Mich.—Miss Katherine C. Nungesser, 301 N. Main street.

Parkersburg, W. Va.—Obermeyer Greenhouses, Willard & 7th streets.

Vineland, N. J.—Chas. Vondra, 625 Peach street, succeeding L. A. Lyons.

Omaha, Neb.—Albert Donoghue, Jr., 1622 Harney street, succeeding his father.

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PERSONAL.

Frank N. Davis, florist of Foxboro Mass., was one of the jurors chosen to serve in the Varney murder trial in Brookline.

A card just received from R. M. Ward dated October 16, shows him to have been in Bombay, India, on that date en route to Java.

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BEAUTIES

Orchids - Cypripedium
White Lilac

Just remember that we are Headquarters for them
and we can supply you with good stock.

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PHILADELPHIA, PA.

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Greenhouses, Edgely, Bucks Co., Pa.
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OUR SPECIALTIES

ROSES, GARDENIAS, ORCHIDS, PLUMOSUS,
ADIANTUM, STRING SMILAX, Etc.

Special for Xmas, RICHMOND ROSES
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CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

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19,900...\$2.00. 50,000...\$8.75. Sample free.
For sale by dealers.

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RICHMOND, IND.

Please mention Horticulture when writing.

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WHOLESALE COMMISSION FLORISTS

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Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service

ZECH & MANN

We are Wholesale Florists Doing
a Strictly Wholesale Business

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POEHLMANN BROS. CO.

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If interested, send us your name and address for our weekly price list

IF you want anything from Boston get
it from Henry M. Robinson & Co.

We are on the job at all hours of the day, from 8 A. M. to 7 P. M.

We carry the largest line of Supplies in New England and also the best flow-
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For Safety Place Your Orders With Us

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	BOSTON Dec. 13		ST. LOUIS Dec. 10		PHILA. Dec. 10	
Roses						
Am. Beauty, Special	15.00	to 25.00	40.00	to 60.00	45.00	to 50.00
" Fancy and Extra	6.00	to 20.00	20.00	to 30.00	20.00	to 35.00
" No. 1 and culls	4.00	to 6.00	8.00	to 12.00	6.00	to 15.00
Russell, Euler, Mock	3.00	to 10.00	8.00	to 20.00	4.00	to 25.00
Hadley	2.00	to 10.00	10.00	to 12.00	4.00	to 15.00
Arenberg, Hoosier Beauty	2.00	to 8.00	.....	to	4.00	to 10.00
Ward	2.00	to 8.00	4.00	to 8.00	3.00	to 6.00
Killarney, Radiance, Taft	2.00	to 8.00	4.00	to 8.00	3.00	to 10.00
Ophelia, Sunburst, Hillingdon	2.00	to 10.00	4.00	to 12.00	3.00	to 12.00
Carnations	2.00	to 4.00	2.00	to 4.00	3.00	to 6.00
Cattleyas	40.00	to 50.00	.....	to 75.00	50.00	to 60.00
Dendrobium formosum	.....	to 50.00	.....	to	50.00	to 60.00
Lilies, Longiflorum	8.00	to 12.00	12.50	to 15.00	10.00	to 12.50
Lilies, Speciosum	6.00	to 8.00	.....	to	4.00	to 8.00
Lily of the Valley	6.00	to 6.00	6.00	to 8.00	5.00	to 10.00
Snopdragon	3.00	to 4.00	.....	to	4.00	to 12.50
Bouvardia	1.00	to 4.00	.....	to	3.00	to 5.00
Violets	.50	to .75	.40	to .75	.35	to 1.00
Chrysanthemums	6.00	to 16.00	.....	to .....	.....	to
Narcis, Paper White	2.00	to 3.00	.....	to 4.00	.....	to 3.00
Roman Hyacinths	.....	to 4.00	.....	to .....	.....	to
Stevia	.....	to 1.00	.....	to 1.00	1.50	to 2.00
Sweet Peas	1.00	to 1.50	1.00	to 2.00	1.00	to 3.00
Marguerites	1.00	to 3.00	.....	to	1.00	to 1.50
Gardenias	25.00	to 35.00	.....	to	25.00	to 35.00
Adiantum	1.00	to 1.25	.....	to 1.00	.75	to 1.00
Smilax	12.00	to 16.00	.....	to 15.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	35.00	to 50.00	25.00	to 50.00	25.00	to 50.00

WILLIAM F. KASTING Co.

Wholesale Florists

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J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS
PHILADELPHIA, PA.

Flower Market Reports

There is a marked depression all through the flower market this week, not alone because of the unusually low temperature of the past few days and the effects thereof on the coal pile, nor because of the small amount of business being done, but largely because of the uncertainty as regards Christmas prospects. Retail dealers are playing a very cautious game as regards ordering ahead for Christmas supplies, some of them having cut down their usual orders for this holiday as much as thirty to fifty per cent. This reluctance to take advance chances does not conduce to high values and prices at which orders are booked are below those of former years on some kinds of stock, particularly American Beauties and other high-priced stock. The present dullness is not so very different from what has been the condition in previous years, and it may or may not be any criterion as to what may be expected when holiday trade is due. "Waiting and watching" is about the only recourse under existing uncertainty and that appears to be the rule in and about the flower market.

Extreme cold weather **CHICAGO** cut down both the demand and supply the past week. With the thermometer away below zero, shipping trade was reduced to a minimum and only in very urgent cases did buyers care to assume the risk. The delivery of potted plants was also held up by the cold, so the downtown florists have not yet made their stores into the beautiful holiday conservatories of other years. A shortage of flowers would exist should there be any special demand. As it is there is enough for the trade now and conditions may change materially before Christmas shipping begins. Early ordering does not seem to be the rule this year and so no doubt the usual number will be disappointed when the final rush comes. Christmas greens are arriving and the usual novelties are making very attractive the show-rooms of the supply houses.

Stock continues **CLEVELAND** scarce and wholesalers are set still further behind by belated shipments due to the storm, which struck Cleveland last Saturday. For two days the weather has been hovering about zero and there is some fear that greenhouse stocks may suffer if the supply of coal is not maintained. Chrysanthemums are gone, and carnations are scarce. Business is being largely maintained by sale of holiday goods. On account of bad shipping conditions a number of out-of-town growers have refused to ship, fearing loss either



Christmas Russell

The stock never looked better than at this time; promising wonderful Christmas quality.

Special	\$50.00
Fancy	40.00
Extra	30.00
First	20.00

Write for our complete list on cut flowers and greens for Christmas.

Store opens 7 A. M.
Closes 5.30 P. M.

S. S. PENNOCK CO.

THE Wholesale Florists of PHILADELPHIA

NEW YORK
117 W. 28th St.

BALTIMORE
Franklin & St. Paul Sts.

PHILADELPHIA
1608-1620 Ludlow St.

WASHINGTON
1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Dec. 10		CHICAGO Dec. 10		BUFFALO Dec. 3		PITTSBURG Dec. 3	
Roses								
Am. Beauty, Special	40.00	to 50.00	40.00	to 50.00	40.00	to 50.00	45.00	to 60.00
" " Fancy and Extra	30.00	to 40.00	30.00	to 40.00	30.00	to 40.00	35.00	to 40.00
" " No. 1 and culls	15.00	to 25.00	6.00	to 10.00	3.00	to 15.00	10.00	to 20.00
Russell, Euler, Mock	8.00	to 18.00	6.00	to 30.00	4.00	to 10.00	15.00	to 20.00
Hadley		to 4.00	4.00	to 15.00	4.00	to 8.00		to 10.00
Arenberg, Hoosier Beauty	6.00	to 15.00	4.00	to 15.00	6.00	to 12.00		to 10.00
Ward	5.00	to 10.00	4.00	to 12.00	3.00	to 5.00		to 10.00
Killarney, Radiance, Taft	4.00	to 12.00	5.00	to 12.00	3.00	to 8.00	4.00	to 12.00
Ophelia, Sunburst, Hillingdon	6.00	to 18.00	5.00	to 12.00	4.00	to 12.00	6.00	to 12.00
Carnations		to 4.00		to 4.00		to 5.00		to 4.00
Cattleyas		to 75.00		to 75.00		to 75.00		to 75.00
Dendrobium formosum		to 60.00		to 75.00		to 10.00		to 12.00
Lilies, Longiflorum		to 12.50		to 12.00		to 10.00		to 12.00
Lilies, Speciosum		to 7.00		to 6.00		to 6.00		to 10.00
Lily of the Valley		to 7.00		to 6.00		to 6.00		to 10.00
Snapevagon	4.00	to 6.00	4.00	to 6.00	3.00	to 5.00	3.00	to 6.00
Bouvardia		to 2.00		to 3.00		to 5.00		to 10.00
Violets	.50	to 1.00	.75	to 1.00		to 1.00		to 1.00
Chrysanthemums	8.00	to 25.00		to 25.00	6.00	to 25.00	5.00	to 20.00
Narcis, Paper White		to 4.00	3.00	to 4.00	3.00	to 4.00	3.00	to 4.00
Roman Hyacinths		to 1.00		to 1.00	3.00	to 5.00	4.00	to 5.00
Stevia	3.00	to 4.00	1.00	to 3.00	1.25	to 1.50	2.00	to 2.00
Sweet Peas	1.00	to 1.50		to 1.50	.75	to 1.25	2.00	to 4.00
Marguerites		to 1.00		to 1.00	1.00	to 1.50		to 1.00
Gardenias		to 1.00		to 1.00		to 1.00		to 1.00
Adiantum		to 1.00		to 1.00	1.00	to 1.25	.75	to 1.25
Smilax		to 15.00		to 20.00	15.00	to 20.00		to 20.00
Asparagus Plu. & Spreu. (100 Bhs.)	25.00	to 35.00	25.00	to 50.00	35.00	to 50.00	40.00	to 60.00

through cold or misrouting and delay. Express companies refuse to take responsibility for this, the loss falling on the shipper. Trade has also been affected by an embargo on all express shipments out of Cleveland to the East. This affects the wholesale trade going to cities in Northeastern Ohio.

The Thanksgiving Day **DETROIT** trade was generally good here and very satisfactory as reported by the leading stores and a still better Christmas is anticipated. Of course, the fashionable affairs of former seasons are missed but the florists are willing to a man

to endure their share of such losses if by this means they are "doing their bit" towards winning the war.

There is a general **NEW YORK** complaint of dull business in the wholesale district which is well borne out by the noticeable absence of retail buyers' delivery wagons in the adjoining thoroughfares. The extreme cold and transportation delays have caused much inconvenience and loss, many shipments from growers coming in frozen solid and ruined. Local buying

(Continued on page 641)

H. BAYERSDORFER & CO. Manufacturers and Importers

1129 Arch St. PHILADELPHIA, PA.

Fall Novelties Now On Display

New Show Rooms Added

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

H. E. FROMENT

Wholesale Commission Florist
Choice Cut Flowers

New Address, 143 West 19th St., NEW YORK
Telephones: 2206, 2281, Madison Square.

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Wholesale Florist
107 W. 28th Street, NEW YORK

Telephone 4415 Farragut
Call and inspect the Best Establishment
in the Wholesale Flower District.

JOHN YOUNG & CO.
WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY

Consignment Solicited
Phone Farragut 4336

RIEDEL & MEYER, Inc.
Wholesale Commission
READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

GEO. C. SIEBRECHT
WHOLESALE FLORIST

109 WEST 28th ST
CONSIGNMENTS SOLICITED

PHONE 608 FARRAGUT NEW YORK
609

IMMORTELES—Fresh from France
Per doz. bunches, \$1.00; per case,
125 bunches of one color, \$28.00.
JAPANESE FIBRE ROPING—Per
bail, \$70; per case, \$60.00.
FLORISTS' SUPPLIES AND
GREENS.

THE KERVAN CO. 119 W. 28th St.
NEW YORK

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

18 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

Established 1888 Tel. 551 Farragut

GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New
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**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.

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WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist

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Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the

BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.

PAUL MECONI—Wholesale Florist—NEW YORK

Telephone Nos. 3864 and 6364 Madison Square

57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers

We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER MORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists

Phones: Farragut 558, 2036 and 2037

111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only

ROSES AND CARNATIONS	Last Half of Week ending Dec 8 1917		First Half of Week beginning Dec. 10 1917	
American Beauty, Special	20.00	to 30.00	10.00	to 30.00
" " Fancy and Extra	10.00	to 12.00	10.00	to 15.00
" " No. 1 and culls	2.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock	2.00	to 10.00	2.00	to 10.00
Hadley	2.00	to 15.00	2.00	to 12.00
Ayerberg, Hoosier Beauty	2.00	to 8.00	2.00	to 8.00
Ward	1.00	to 8.00	2.00	to 6.00
Killarney, Radiance, Taft	1.00	to 8.00	2.00	to 8.00
Ophelia, Sunburst, Hillingdon	2.00	to 10.00	2.00	to 10.00
Key	2.00	to 12.00	2.00	to 18.00
Carnations	2.00	to 4.00	2.00	to 4.00

GROWERS' CUT FLOWER COMPANY
WHOLESALE FLORISTS

129 West 28th Street

Tel. 6237 Farragut
3563

E. J. VAN REYPER, Mgr.

WALTER F. SHERIDAN

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

Frank H. Traendly Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797, 798, 799 Farragut

Consignments Solicited

JOSEPH S. FENRICH

WHOLESALE FLORIST

LILIES EVERY DAY

51 W. 28th Street, New York

Telephones, 420-421-422 Mad. Sq.

HERMAN WEISS

WHOLESALE FLORIST

Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

130 West 28th Street, Tel. Farragut 684,

NEW YORK.

Flower Market Reports

(Continued from page 630)

is very slack and shipments out-of-town are out of the question. Roses are of fine quality generally but carnations average very inferior, many split flowers being seen, and white varieties are hard to dispose of. Poinsettias are already a feature of the market. Chrysanthemums are "on their last legs," but there are still a good many pompon varieties coming in and they sell quite well. Of lilies, violets, Roman hyacinths, cattleyas, cypripediums, stevia, callas, mignonette, calendulas, etc., etc., there is an abundance and of paper white narcissus a great over-abundance and consequent accumulation.

There has been no particular change in business conditions during the past few days, with the exception that preparations are being made for Christmas trade. So far there is little to sell of outdoor decorative material. Holiday greens are of good grade with prices higher than usual. Flowers are scarce in about all lines. Chrysanthemums are almost at an end. Carnations are about as scarce as they could be, and as is always the case they are strictly in demand. The call for violets has fallen off considerably and prices have gone accordingly. Roses are in fair supply but the call for them is not very active. Lilies are scarcely moving. Stevia is in fair demand. Orchids are plentiful but the lack of corsage work hold them back.

Cold weather has a great effect on business, especially on transient trade. Chrysanthemums are getting shorter in supply although there may be some at Christmas of the late varieties. The trade in cut flowers from now till Christmas will be limited and bright weather might bring on a surplus. At present there is no over supply and prices are high. Holly and mistletoe arriving about the 18th. Ruscus quotations are higher than last year. The supply houses are now pushing Christmas novelties.

DURING RECESS.

Boston Bowlers.

The following scores were made at last week's games:

Flower Market	434	456	439	1329
Robinson	441	446	414	1301
Galvin	415	486	467	1368
Snyder	402	417	448	1267
Flower Exchange	434	388	428	1250
M. E. F. S.	398	452	455	1305
Carbone	427	437	455	1319
Welch	371	415	382	1168

HENTZ & NASH, Inc.

Wholesale Commission Florists

55 and 57 West 26th Street
Telephone No. 755
Farragut
NEW YORK

HENRY M. ROBINSON CO. OF NEW YORK WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

MAURICE L. GLASS, Treasurer

Consignments Solicited

J. K. ALLEN

SERVING THE TRADE AS WHOLESALE COMMISSION FLORIST FOR OVER THIRTY YEARS.

I have room now for a few more regular shippers of good flowers. I have a steady market for all varieties. Make a start now for the coming season.

118 West 28th St.

NEW YORK

TELEPHONES
Farragut 167 and 3058

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Half of Week ending Dec. 8 1917		First Half of Week beginning Dec. 10 1917	
Cattleyas	25.00	to 50.00	25.00	to 50.00
Dendrobium formosum	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum	4.00	to 8.00	6.00	to 8.00
Lilies, Speciosum	2.00	to 4.00	2.00	to 4.00
Lily of the Valley	3.00	to 8.00	3.00	to 8.00
Snagdragons	1.00	to 4.00	1.00	to 6.00
Bouvardia	1.00	to 3.00	1.00	to 3.00
Violets	.40	to .75	.50	to 1.00
Chrysanthemums	2.00	to 20.00	2.00	to 20.00
Narcis, Paper White	1.00	to 2.00	1.00	to 2.00
Roman Hyacinths	2.00	to 3.00	2.00	to 3.00
Stevia	.75	to 1.00	.75	to 1.00
Sweet Peas	1.50	to 2.00	1.50	to 2.00
Marguerites	1.00	to 2.00	1.00	to 2.00
Gardenias	20.00	to 40.00	20.00	to 40.00
Adiantum	.50	to 1.00	.50	to 1.00
Smilax	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, & Spreen (100 bunches)	15.00	to 25.00	15.00	to 25.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

Address Your Shipments to

UNITED CUT FLOWER CO. Inc.

111 W. 28th St., NEW YORK

D. J. Pappas, Pres.

CONVENTION VISITORS WELCOME

J. J. COAN, Inc.

HIGH CLASS FLOWERS.

ALL THE STANDARD STOCK.

THE PRODUCT OF THE LEADING GROWERS.

NOVELTIES AND UNUSUAL VARIETIES A SPECIALTY.

Consignors of Good Stock for the New York Market Please Call or Write

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NEW YORK

TELEPHONES
Farragut 5413 or 5891

N. Y. FLORISTS' SUPPLY COMPANY, Inc.

103 W. 28th Street, NEW YORK

EVERYTHING FOR THE FLORIST

CHARLES E. MEEHAN

Wholesale Cut Flowers
Plants, Greens, etc.

5 So. Mole St.,

PHILADELPHIA, PA.

SINGLE VIOLETS WANTED

Violets and novelties are my Hobby. Consign your flowers to me. I can sell them to your satisfaction.

CLARENCE SLINN, 112 W. 28 St.
NEW YORK

FLOWER GROWERS

I have a good wholesale market for Pansies, Violets, Carnations and all other stock of quality.

Regular Shipments Solicited

B. S. SLINN, Jr.

55 and 57 W. 26th Street, NEW YORK

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Decorative Glassware, Growers and Florists' Requisites

Beechwood Heights Nurseries

Importers and Growers of

ORCHIDS

Out Flowers of All the Leading Varieties in their Season.

THOMAS YOUNG, Jr., Proprietor

BOUND BROOK, N. J.

Est. 1765

Pot Makers for a
Century and a Half

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**STRONG
RED
POROUS**

POTS

Inc. 1904

**World's Largest
Manufacturers**

Standard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.

Write for Catalogue
and Discounts

A. H. HEWS & CO., Inc., Cambridge, Mass.

Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.

LOCAL AND GENERAL NEWS

BOSTON.

G. A. Gavin, Boston, representative of the King Construction Company, was drafted and has gone to camp.

F. J. Dolansky, of Lynn, takes the place of Mr. McAlpine in the firm of McAlpine & McDonald at 256 Devonshire street. The firm name is changed to Dolansky & McDonald.

Henry Robinson Jr., son of Henry M. Robinson, of Henry M. Robinson & Co., who was formerly one of HORTICULTURE's representatives, but who now wears the blue uniform of Uncle Sam's naval reserve has been promoted to chief quartermaster in the quartermaster's department of the naval reserve.

Announcement is made that the city had accepted an offer made by the board of directors of the First Church of Christ, Scientist, to take all property along Norway street, between Falmouth street and Huntington avenue, and the property numbered 203 to 217 Huntington avenue, inclusive, and to extend the park on Huntington avenue, provided the city will extend Dalton street through to Huntington avenue.

Boston's Own regimental exchange is the first of the camp regimental exchanges to take on its Christmas holiday attire. Through the gift of Henry M. Robinson, 300 yards of laurel roping was soon festooned about the rafters and along the front of counters. From the centre of the roof is depended a large green ball of boxwood foliage, while in corners are large palms. The decorations were put up by Private Herbert Hartford of G. company and H. R. Hackel of the machine gun company.

John F. Dowd, a buyer for Thomas F. Galvin, was tendered a reception at his home, 24 Clarence street, on Monday night, Dec. 10, by several friends. J. M. Cohen presided and musical numbers were contributed by B. A. Maginty, Morris Hambro, Hugh J. McNally and Charles Evans. Mr. Dowd leaves shortly for one of the harbor forts, where he is to be connected with the Quartermaster's Department. He was presented a wrist watch by members of the florists' trade; a razor set by Miss Fusoni, a fountain pen by

Delle Cartwright and Leo O'Neill, a diamond ring by Thomas F. Galvin, a purse of gold by his friends in the florist trade and a sweater and money belt by Miss Harriet O'Brien.

PHILADELPHIA.

The sympathy of the trade goes out to Walter Davis of the S. S. Pennock forces, who lost his only son on the 10th inst. The boy was in his ninth year. Rheumatism is given as the cause of his death.

Prof. A. P. Saunders will deliver a lecture on Peony and Iris Culture in America, at Griffith Hall, under the auspices of the Penna. Horticultural Society on Tuesday, December 18, at 3.30 p. m.

Emil Lieker an old established flower grower of Lansdowne used his last barrowful of coal last Saturday night. Today he is frozen out. We trust there are not many more in this unfortunate catastrophe. Seems remarkable, Philadelphia being near the coal fields should not suffer so bad as localities further afield. But there it is. And why—nobody seems to understand. Down to six above here today.

NEW YORK.

Percy E. James, bookkeeper for A. T. Boddington Company, who enlisted nearly a year ago in the naval reserves was called upon last week to report at Pelham Bay on Nov. 29. Thanksgiving Day, and there he has been ever since.

At the United Cut Flower Company's salesroom we were surprised to see some very nice Golden Spur narcissi on December 10. This is the earliest date on which we have ever seen these flowers. We understand they were grown by William Jurgens of Newport, R. I.

CLEVELAND.

Miss Christine Cliff, one of Cleveland's well known East Side florists with a shop at 7720 Hough avenue, surprised her friends by announcing her wedding, Saturday morning, Dec. 1, to Mr. Charles Cares, a chemist, after which the couple left for a weeks trip to the South.

Florists as a rule seem to have sufficient coal to weather the cold spell now in progress. There are no reports of any being caught short, although a few report low stocks. John Blenkschmidt has had some difficulty but from latest reports was procuring enough to run from day to day.

Express companies in Cleveland have notified all wholesalers of an embargo on all Eastbound express. Little or no florists shipments are made any distance East but a considerable business with retailers between Cleveland and the Pennsylvania state line has been affected. Incoming express from the East continues to arrive.

A number of Cleveland greenhouse men have announced their intention to close their greenhouses for the winter. One of these is the Wilson Florist Co., 14113 Woodworth avenue. Mr. J. W. Wilson stated that he will stay in business and may do some planting in the spring. The Gamble greenhouse in Bratenahl is just ready to close, and Charles Smith in the same section does not expect to operate after Christmas.

In order to protect themselves against loss many Cleveland seed and flower firms refused to accept shipments of bulbs which arrived late this year, and which were either sprouted or unseasonable. In order to pay freight charges and custom duties the Nickel Plate railroad turned over 25,000 bulbs to the city for sale after consignees had refused them. Narcissus bulbs sold at 25 cents a dozen, tulips at 15 cents, and hyacinths at various prices. City Forester Hyatt has just received 19,000 tulips and 4,000 hyacinth bulbs from Holland for the Public Square gardens.

CHICAGO.

With the shortage of coal making heavy firing impossible, the prospects for a large amount of Christmas stock were not increased any by the wave of extreme cold now prevailing here. The records show the lowest temperature for the time in 35 years.

SEE
PENN'S PUBLICITY
Page 636 this issue

THE PFALTZGRAFF POTTERY CO., York, Pa.

Manufacturers of Florists Pots, Bulb Pans, Fern Dishes, etc.

WE LEAD IN QUALITY, FINISH AND SERVICE

For Catalogues and Discounts address

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Our Selling Agents in N. Y., N. J. and Eastern States Territory

SOME DESIRABLE PRUNUSES.

Plums and Apricots. Many Plum-trees were loaded this year with flowers and flower-buds. The earliest of them to flower is probably a plant of *Prunus salicina*, better known as *Prunus triflora*, which was received a few years ago from a German Nursery under the name of *Prunus kurdica*, a species from central Asia with small black fruit, first known by a tree cultivated in Vienna. The German plant flowers a few days earlier than the plants of *P. salicina* raised from seeds collected by Wilson in western China, and differs from them in the lighter-colored bark of the stem and branches. It bears large yellow fruit slightly tinged with red, with thick succulent flesh of excellent quality, and seems worth the attention of pomologists in the northern states. *Prunus salicina*, which is the most important Plum-tree of eastern Asia, is best known as the origin of the so-called Japanese Plums now largely cultivated in the United States. The plants of *P. salicina* raised from Wilson's seeds are blooming well this year, and although the flowers of these trees are only about three-quarters of an inch in diameter they are so abundant that, apart from the value of their fruit, they are well worth a place in the garden for their flowers.

Prunus Simonii. This native of Northern China is bloomed more abundantly this year than usual. It is conspicuous among Plum-trees for the erect-growing branches which form a narrow pyramidal head. It produces red sweet fruit of fair quality, and under the name of the Apricot Plum it has been much propagated by American pomologists and largely grown in this country, especially in the Pacific States. This tree is hardy but in the Arboretum it has been short-lived, and in this part of the country is only worth growing as a curiosity.

Prunus nigra. Among American Plums in the Arboretum collection the so-called Canada Plum, *Prunus nigra*, is the earliest to bloom. It is a native of the northern border of the United States from New Brunswick westward, and is distinguished from the more southern *Prunus americana* by its larger and earlier flowers, the blunt teeth of the leaves and by the darker and closer bark. The flowers turn pink as they fade. The Canada Plum has produced some excellent seedling forms of garden Plums like Cheney, Itasca, Aitkin and Oxford which are esteemed and largely grown by pomologists. The flowers of the Canadian Plum will soon be followed by those of *Prunus americana*, of the blue-fruited *P. alleghaniensis*, a native of southern Connecticut and western Pennsyl-

vania, an interesting species of considerable ornamental value, of *Prunus Watsonii*, the little Sand Plum of Kansas and Oklahoma, of *Prunus Munsoniana* of the Kansas to Texas region, the wild form of the Wild Goose and many other varieties cultivated for their fruit, and of *Prunus hortulana*, a native of the region from southern Illinois to southern Missouri and Oklahoma. This is perhaps the handsomest of the American Plum-trees and one of the last to flower. In cultivation it is a round-topped tree with wide-spreading branches. The flowers are small, often not more than half of an inch in diameter, and open before the leaves which are narrow, long-pointed and lustrous. The globose fruit is scarlet, very lustrous, and looks like a large cherry. Forms of this tree like Golden Beauty, Kanawha, Wayland and Cumberland, are grown and distributed by nurserymen as fruit trees; but without regard to the edible value of its fruit *Prunus hortulana* is worth a place in every northern garden for its beauty of habit, foliage and fruit.

Prunus dasycarpa. In the Arboretum this tree has been for many springs covered with its large showy flowers. This is the Purple or Black Apricot, so-called on account of the dull purple color of the fruit. It is a small tree with short trunk covered with dark bark, and wide-spreading branches. A native of eastern Siberia or Manchuria, this Apricot is very hardy and is well worth cultivating in the northern states as a flowering plant, for the fruit, which has rarely ripened in the Arboretum, has little value in comparison with that of the common Apricot.

A Japanese Apricot under the name of "Mikado," a form of the common Apricot (*Prunus Armeniaca*), has been grown in the Arboretum for several years where it makes a small tree with erect branches and, flowering freely every spring, has proved here one of the handsomest and most satisfactory plants of its class.

Prunus triloba. Among the flowers of early spring few are more lovely than those of this small Almond from northern China which, in spite of the fact that it has flowered in the Arboretum every spring for the last twenty years, is still very little known, although the form with double flowers (var. *plena*) is a common garden plant in this country and is often successfully forced under glass for winter bloom. The single-flowered plant should be better known. It is a tall shrub of rather open irregular habit of growth. The flowers, which are pure clear pink in color, are produced every year in profusion, and among the shrubs introduced into cultivation by the Arboretum in the last thirty years none excel

the single-flowered form of *P. triloba* in the beauty of their flowers.

—Arnold Arboretum Bulletin.

ROCHESTER, N. Y.

J. B. Keller's Sons have added a new lattice work to their show window.

George Cramer is filling the position at Geo. Hart's of Tom Sullivan who recently left for training camp.

Paul Thomann had the misfortune to slip from a ladder and break his ankle this week which will undoubtedly lay him up for the rest of the winter.

NEWS NOTES.

Oshkosh, Wis.—The Oshkosh Seed Company has increased its capital stock to \$100,000.

Houlton, Me.—Fire early in the morning of December 6 destroyed the office building and salesroom and stock of Harold L. Chadwick, florist, on High street. The fire had gained considerable headway before it was discovered and only the prompt efficient work of the fire company saved the large glass conservatories from being destroyed although a large damage was done to some of the plants in the houses. The damage will amount to several hundred dollars and is particularly hard one for Mr. Chadwick as there was no insurance on the building or stock.

Plant Propagation, Greenhouse and Nursery Practice

* By M. G. KAINS

We have had many inquiries from time to time for a reliable and up-to-date book on plant propagation, but were always at a loss to find any publication that we could recommend. The subject has been dealt with in fragmentary manner only in books that have come to our notice. So it is well that this new work has been issued, especially as it is both comprehensive and practical, and it should meet with a ready sale among plantmen, nurserymen and gardeners. There are nineteen chapters covering in detail topics of germination and longevity of seeds, propagating by buds, layering, cuttings, grafting, etc., fruit tree stocks, clones, etc., and there are eight pages of condensed cultural instructions in tabulated form, covering annuals and perennials from seed, woody plants, evergreens, vines, bulbs and tubers, greenhouse and house plants, ferns, palms, water plants, orchids and cacti. The illustrations are numerous, comprising 213 figures and half-tone plates. There are 322 pages well bound and on heavy paper, teeming with helpful information. It is a book which no cultivator can afford to do without. It is worth many times its price. Copies can be supplied from the office of HORTICULTURE at publisher's price, \$1.50.

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Translation and Pronunciation of Latin Names In Volume I is inserted a list of between 2,000 and 3,000 Latin words used as species—names of plants, giving the English equivalent or translation and the pronunciation.

Class Articles Special effort has been made to secure the best cultural advices for the plants requiring peculiar or particular handling. Here are some of the titles of these articles: Ants; Autumn Gardening; Bedding; Diseases; Drainage; Floral Designs; Formal Gardening; Hotbeds and Coldframes; Insects; Landscape Gardening; Lawn Planting; Orchards; Rock Gardening; Subtropical Gardening; Tools and Implements; Village Improvements; Window Boxes, etc.

General Index The final volume contains a complete index to the entire work, enabling the reader to locate volume and page of any subject he has in mind.

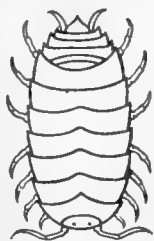
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SOW BUGS versus SLUG SHOT



After reading the article headed "An Army of Sow Bugs," in the Review for May 10, it occurred to me that the growers whose stocks have been attacked by Sow Bugs might be interested in the remedy I used successfully in exterminating these pests some time ago. I had a good crop of Sow Bugs in my Carnation house and asked Mr. Benjamin Hammond, of Beacon, N. Y., for a good exterminator. Mr. Hammond recommended one of his preparations—SLUG SHOT—and told me to dust it between the plants, under the benches and along the walks. I did so and the results were gratifying. The bugs were cleaned out in short order, and I certainly recommend SLUG SHOT to every Florist who finds these bugs in his houses. ALEXANDER A. LAUB, Florist.

New Hamburg, N. Y., May, 1917.



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Obituary

Mrs. Charles Weise.

Margaret Earley Weise, wife of Charles Weise, florist, died at her home in Woodhaven, N. Y., on Sunday, December 2, aged 44 years.

Joseph T. Clarke.

Joseph T. Clarke, gardener for Mrs. John E. Thayer estate at So. Lancaster, Mass., died of pneumonia on Saturday, December 8. Mr. Clarke was a well-liked gentleman and his loss will be

severely felt among the gardening fraternity.

Michael Tracey

Michael Tracey, 80, of 62 Lowell street, caretaker of Walnut Grove Cemetery, Methuen, Mass., and a resident here for 50 years, slipped on an icy sidewalk in Railroad square December 6 and was instantly killed, his skull being fractured. He is survived by his wife.

Lewis L. May.

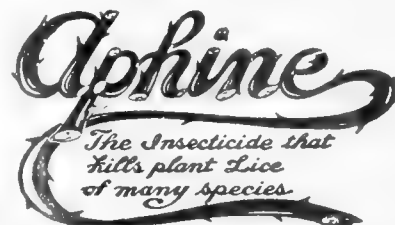
Lewis L. May, founder of the seed and nursery firm of L. L. May & Co., St. Paul, Minn., died at his home Dec. 4, aged 61 years. Mr. May was born in Oshawa, Ont., and came to St. Paul in 1880. He is survived by his wife, one daughter and one son. Mr. May was a life member of the Society of American Florists.

John Frederick Hanft.

John F. Hanft, son of the late John Hanft of the old and well-known florist firm of Hanft Brothers of New York City, died from an apoplectic shock on Saturday, December 8, aged 56 years. Mr. Hanft was formerly in the florist business with his brother Julian but has been retired for several years. He leaves a widow.

George A. Campbell.

Dr. George A. Campbell, proprietor of the Ray Brook Gardens, and a resident of Manchester, N. H., for the last 45 years, died at a local hospital on December 2, after two weeks' illness. He was born in Worcester, Mass., 60 years ago. He was a graduate of Boston University and practiced medicine in Manchester up to 20 years ago, when he became a florist, working actively at his place of business on Hanover street. He leaves besides a wife, Mary J. Campbell, a son, Guy R. Campbell, who is in the florist business, and one daughter, Marion Campbell, who is also employed at the gardens.



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enlarge the activities of the plant and is now to be vigorously pushed.

Two railroads—the Pennsylvania and the Western Maryland—run their tracks out to the pottery where orders are loaded direct into the cars, avoiding a second handling and thus insuring largely against breakage en route. The clay is of the best, and thoroughly washed, cleansed and prepared, making a purely clay pot, free of any deleterious substances that might interfere with a successful growth of plants. A good strong pot is thus secured of the desirable red tint, giving to this product a well finished appearance. The Society of American Florists awarded a certificate of honor at their fourth National Flower Show in Philadelphia to these Pfaltzgraff Flower Pots.

Desirous to extend their trade to the larger consumers of greenhouse pottery in the eastern territory the Pfaltzgraff Pottery Co. have now arranged with the long-established firm of August Rolker & Sons of New York City to represent them as their selling agents, and there is little doubt but what these two long-established concerns will form a strong team in this important industry.

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Toronto, Ont.—Carl Grobba, two houses each 40 x 160.

Aurora, Ill.—Aurora Nursery Co., propagating house 14 x 50.

Syracuse, N. Y.—Lord & Burnham Company have been awarded the contract for the greenhouse to be built at Burnet Park, at a cost of \$12,764, exclusive of heating, masonry and plumbing.

PATENTS GRANTED.

1,247,766. Irrigating Device for Plants. Roy White, Lamar, Colo.

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Boston — F. H. Traendly, New York; Eugene Dailledouze, Brooklyn, N. Y.; Charles Schwake, New York; Maurice L. Glass, H. M. Robinson Company, New York.

New York — H. R. Frorer, King-of-Prussia, Pa.; T. J. Nolan, Phila. representative of the King Construction Co., North Tonawanda, N. Y.; William Judgens, Newport.

Philadelphia — Alfred Cartledge, Wilmington, Del.; Mrs. John Walker, Youngstown, O.; Frank E. Miller, J. H. Small & Sons, Washington, D. C.; D. B. Edwards, Atlantic City, N. J.; H. L. Holmes, Harrisburg, Pa.

Chicago — Fred and George Rentschler, Madison, Wis.; H. Ashman, Union Greenhouses, West Bend, Wis.; J. C. Rennison, Sioux City, Iowa; F. W. Heckenkamp, Quincy, Ill.; John S. Hay, representing H. A. Dreer, Philadelphia; P. N. Obertin, Racine and Kenosha, Wis.; A. C. Reicher, Michigan City, Ind.; Mr. and Mrs. Theodore Wirth, Minneapolis, Minn. Mr. and Mrs. Wirth went to Nebraska to attend the celebration of the 25th wedding anniversary of Mr. and Mrs. J. J. Hess.

NEWS NOTES.

Bloomington, Ill.—The Bloomington Nurseries have increased their capital stock to \$600,000.

Cheshire, Ct.—Miss Nettle C. Smith has sold her greenhouses to Preston Atwater, who will remove them to his establishment at Plantsville, Ct.

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By Prof. R. L. Watts

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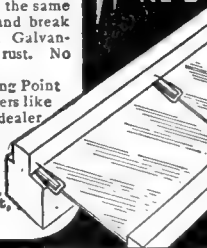
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The Florists Hall Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars, address, **JOHN G. ESLER, Sec., Saddle River, N. J.**

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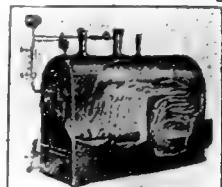


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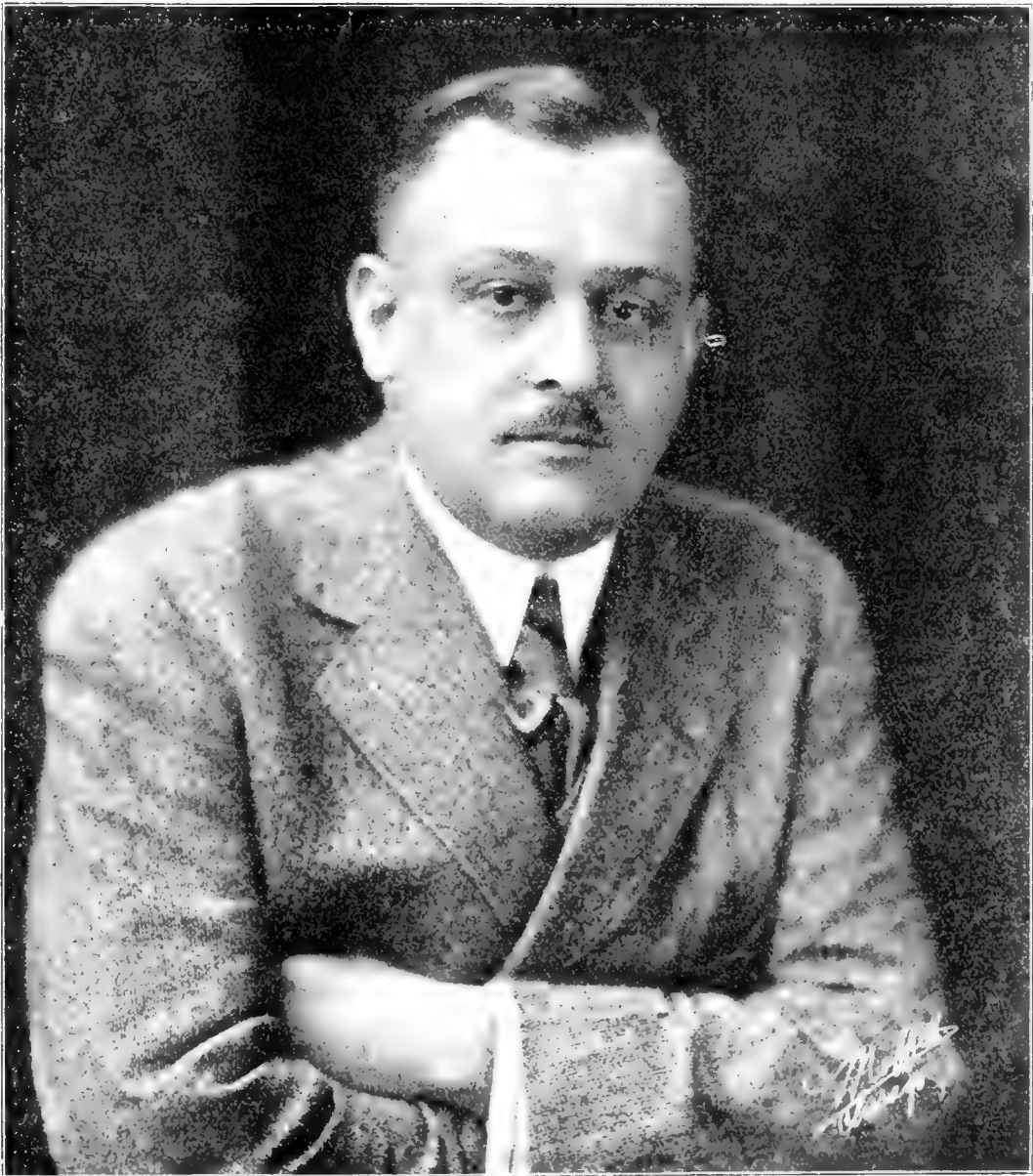
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Vol. XXVI
No. 25
DEC. 22
1917

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CARNATIONS

Timely Thoughts

Selecting the varieties for next season is one of the important matters calling for the growers' decision at this time. One is apt to be influenced by the condition of the plants of the different varieties at the time of making out the list. The writer has found that lists of next season's requirements in cuttings made out on three different dates, say October, January and March, show a wide swing from one variety to another. The grower for the wholesale market can cut this list to a very few sorts, but with a mixed call, and especially with regular shipments to retail customers and the extra holiday demand which must be met to hold a good customer, the selecting of a well balanced set of varieties for next season requires some thought. Visits to successful carnation ranges and attending all the flower shows within reach to watch for new sorts help; but a study of the records of each variety in past seasons tells most.

What did Matchless do to the square foot? When did the blooms come?

Compare Nancy, Pink Delight, Supreme and Alice

as to total cut, date and quality and your ability to handle the flesh pinks late in the season.

Can you afford to grow reds or can you substitute bright pink and get a more steady call?

Of the standard kinds are you getting as good quality as the best growers? If your whites are unsatisfactory are you or the varieties at fault?

At the coming annual exhibition of the American Carnation Society in Boston, January 30-31, 1918, a class of six or more vases has been provided for by a generous premium offered by the Gardeners' and Florists' Club of Boston. The premium, \$25 in gold, is designed to draw out a large showing of good standard sorts as old favorites of exceptional cultural merit will score as high as fancies or new seedlings. This class should appeal to many growers of New England and furnish data of especial value in making up the list for next season.

There seem to be problems in this line for the grower all along the list. Pink Delight or Nancy? What white to help out Matchless in the dark days? Is Beacon still the scarlet? Several new varieties are looming up and a close study of their respective merits is in order. For these and other reasons the January meeting at Horticultural Hall should be of especial interest.

Charles S. H. H. H.

SEEN AND LEARNED AT WAVERLEY, MASS.

Enphorbia Jacquinæflora appears to be at last coming into its own in the leading plant markets of this country. Many years ago it was quite common in some localities as a cut flower but it gradually disappeared and only recently has come into the light again. A very large stock has been grown by the W. W. Edgar Co. for Christmas this year, for cut bloom and the plant trade and it makes a beautiful sight with its arching racemes of bright coral stars. Mr. Bartsch overcomes the defect of thinness and lack of foliage body in the plants, when made up in pan form by using small late-struck cuttings and planting them very thickly in the pans. They cannot be made to fill out satisfactorily by the usual method of pinching back. Together with the poinsettias, which are very fine here, they spread a brilliant Christmas glow in the holiday plant display.

Mr. Bartsch expected to have a good supply of azaleas for this Christmas from the stock held over last year but the sudden freeze of September 10 ruined the buds. The later blooming varieties were not hurt and a fine azalea stock is assured for Easter.

Begonias in the four leading sorts, Lorraine, Cincinnati, Melior and Mrs. Peterson are the main holiday plant crop here. Melior is the best liked of the green foliaged varieties for its compactness, flower substance and floriferousness in the small sizes. Mr.

Bartsch is very successful with July and August-struck cuttings of Melior in 3½ in. pots. These are very popular for basket combinations. One house now full of *Begonia Cincinnati*, most gorgeous to look at, will be filled with hybrid roses after being emptied.

The last of the lily bulbs have finally been received after two or three months delay in transit and were potted last week and are now in a warm house, for with Easter coming at end of March, the lilies must move lively if they are to be on time. Formosas are breaking good and giganteums planted November 10 are now well under way with good roots and tops showing up strong. Mr. Bartsch says that lilies do not require any preliminary cold treatment before going into the growing house as some growers have made a practice. Lilies grow tops and roots together and the short rest in the cases is all they need in the way of preparedness.

One of the prettiest sights here for the experienced eye is a batch of 10,000 young cyclamen for next year's Christmas. We have never seen a prettier lot. Cyclamen and Chinese primroses are holding their own as popular favorites for this season of the year.

Reverting to the begonia topic, Mr. Bartsch's practice and also Thomas Roland's in the culture of the dark-foliaged Mrs. Peterson is to push it along rapidly in warm shaded quarters during June, July and August which will bring the plants to good size and then they can be gradually cooled off and the foliage will soon acquire the desired dark bronzy color. All growers do not yet know this and have been unsuccessful in getting this variety up to good sized plants. These little cultural "knacks" are the offspring of specialization intelligently pursued.

NURSERYMEN OFFER THEIR SERVICES.

Representative nurserymen of the north central and Mississippi Valley States met in Des Moines, Iowa, the first part of December and passed broad resolutions pledging their assistance to the government's food program. Calling attention to millions of trees in old orchards that have become barren or nearly so from lack of care, the nurserymen agreed to render their services gratuitously in the matter of instruction to restore these trees to full production as quickly as possible. The most practical means of rejuvenating old orchards is systematic pruning, spraying, cultivating and fertilizing.

THE FOREIGN PLANT OUTLOOK.

We learn through authoritative sources that, in consequence of the suspension of the Holland-America Line service, Oudenbosch shippers are proposing to send plants to this country via London, a rather expensive way. As a modification of the embargo placed by the Dutch Government on bulb shipments we are informed that export licenses are granted on convallaria crowns and spiræa clumps. Also roses and shrubs are not included in the embargo. One of the largest Belgium azalea and palm shippers writes that all his plants of first quality have been put in the greenhouses and will be kept alive by the use of wood as fuel in place of coal, which is very expensive and scarce.

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We find in the *Boston Advertiser* for December 18, the following news item:

Say it with candy "In the interests of economy and as a war measure it has been decided that bouquets and all other flowers will be under ban at the Senior Prom at Radcliffe, held on January 5. No girls will be permitted to wear flowers and their friends have been informed that such gifts cannot be accepted.

"Candy, however, has been allowed to remain on the list of gifts which may be accepted by the young ladies from their escorts."

How does that strike Mr. Hoover of the U. S. Food Administration whose dictum is "If you have a sweet-

tooth, pull it"? And how does it strike those worthy critics of the campaign to establish a broader and deeper popular appreciation of flowers as gifts? This looks almost like a challenge to the newly-established Publicity Board to come on and fight it out! It would appear that there is a big field for some enlightening education among the classes upon which Radcliffe College depends for its esthetic pabulum. Candy! Radcliffe's limitation! Flowers "cannot be accepted." Ye gods!

One of our largest plant shipping houses explains the absence of its customary extensive advertising by reference to the fearful congestion now

existing at the express companies' terminals and the disheartening effect of the tie-up on all attempts to do business in perishable goods. Parcels land on open platforms and after they do get started the chances are that they will go into an unheated express car. It is greatly to be deplored that at a time such as the present when it costs so much to produce the goods and when extraordinary efforts are needed to induce the trade to purchase, our progressive houses should be forced to turn down needed business from all over the country because of lack of transportation facilities. Growers cannot be blamed if they prefer to keep their stock in the greenhouses and not invite more trouble than they already have until the situation as regards express service shows some radical improvement. This appears to be the most ominous cloud on the Christmas trade horizon.

The florist trade has had frequent occasion during the past few years to straighten up and rub its eyes to make sure it had not been dreaming, over the resolute alertness and irresistible energy displayed by the Florists' Telegraph Delivery Association in entrenching itself and widening its lines to include every corner of this country. We doubt if many were prepared, however, for the announcement that now comes out to the effect that the association has its accredited correspondents now to the number of nearly three hundred and fifty florist firms doing business in the various cities and towns in England, Scotland, Wales, Ireland, France and Italy. This certainly shows enterprise and well-planned action and should bring a substantial return to the members who may find occasion to telegraph orders for delivery to the soldiers in the field or in the hospitals. The Florists' Telegraph Delivery and the Publicity Campaign, both under the auspices of the chartered national organization are destined to exercise a strong influence on the membership and avenues of activity in that splendidly equipped organization.

The Holiday outlook is somewhat vague as interpreted by some of the craft but others are inclined to be very optimistic. Time will tell. It is not surprising that in the existing emergency—the first experience of the kind which the present generation in this country has been called upon to face—many of our most progressive industries hesitate before assuming business responsibilities for the future which looks so hard to fathom. Many factors have to be reckoned with in making an estimate on the possible business outcome for the florists' holiday industry for this eventful year. Assuming that many growers have closed down their houses wholly or in part

as a result of the coal shortage, and considering also the curtailment in flowering plant supply by the absence of the always popular azalea, the query arises as to whether the possible retrenchment in holiday expenditure by the purchasing public will offset this reduced production. One man's guess is as good as another's. That the supply of holiday plants throughout the country will be materially reduced seems to be authenticated. That the sale of holiday plants will be reduced is not yet in evidence. We feel quite safe in advising our readers to secure their holiday plant supply at the earliest possible moment if they have not already done so. HORTICULTURE's advertisers should naturally have the first call. The attitude of business houses that do not advertise their wares in HORTICULTURE would seem to be that they do not seek the business of HORTICULTURE's readers. Probably our readers can stand it if they can.

Reforming credit methods

Now that well directed efforts toward the adopting of modern business publicity methods in the flower trade have been fairly inaugurated

we may perhaps venture to look for some general expression of sentiment and, let us hope, resultant organized action towards an improved credit and billing system among all those engaged in the various horticultural industries and tributary trades. The necessity for some radical reform in this direction has long been realized and not infrequently discussed wherever the craft has foregathered and in this respect of unsystematic bookkeeping and collecting we are not materially different from the majority of people in other lines of commercial endeavor. The exigencies forced upon us all in this country at the present time have uncovered to our plain sight many weak spots in our methods of business and economic habits and unquestionably one of these most pressing for general reform is our credit system or—to be more correct—lack of system. In this connection we would call attention to a pamphlet recently issued by the Irving National Bank of New York City containing an address by Lewis E. Pierson before the American Trade Council and the New York Credit Men's Association on the proposed "trade acceptance" system and urging its adoption. The movement for this reform has already received the endorsement of the Federal Reserve Board, Chamber of Commerce of the United States and other institutions best qualified to speak upon commercial credit matters. So strong a hold has it taken already that we may assume that it has come to stay and that this method of doing a credit business will soon work to supersede the old-style book account system. We all have long been familiar with the complaint of the merchant that he was compelled to sell on credit and that the thirty days' credit which he granted was usually strung out to ninety days, four months or longer, this carelessness about paying up leading to collection costs, litigation and bad debts, not to mention the loss of interest on the money tied up. Then, too, what merchant hasn't complained at various times because his banker insisted on living up to the "two for one rule," declining to loan the merchant more than 50 per cent of the accounts receivable shown on his statement, and how often has the average merchant, especially in small towns, been hampered by the "10 per cent rule" under which, regardless of the security offered, he could not borrow an amount in excess of 10 per cent of the capital and surplus of the bank. It is claimed that no one class of business men will profit more from the trade acceptance system than the retail

merchant, for no other class is more often taken advantage of by those who purchase goods on credit. To these woes of the average retail merchant there is usually added the competition of the mail order houses who get their pay in advance and do not grant any credit at all. We clip from the Journal of Commerce the following summary of the workings and advantages of the proposed new system, which we believe will, at least, interest our readers, if not convince them of its desirability from the standpoint of self interest, efficiency in business and patriotism.

"The adoption of the trade acceptance by a merchant merely means that he will send a letter to his customers at the end of the month when he sends out the invoices for the past month's accounts, and that he will attach to each of these invoices a trade acceptance properly filled out. In the letter he will call attention to the desire of the Treasury Department and the Federal Reserve Board to have the credit position of America in the most liquid possible condition as a basis for the successful financing of this great war, and will call attention to the desirability of having credit instruments called trade acceptances take the place of the old-fashioned open book accounts, which are unavailable as a convenient basis for loans. He will state that each customer is urged to do his part in relieving unnecessary strain on the country's financial resources by sending a check in payment of his account promptly at the end of each month, but when this is sufficiently inconvenient, so that an extension of credit is necessary, then he will "accept" the trade acceptance attached to his invoice and return it as evidence of the fact that he wishes to take advantage of the credit terms stated therein.

If the customer returns a check (and if he has to sign either a trade acceptance or a check he will oftentimes sign a check, while under the old system he would just let the account "run awhile" as a matter of habit), the merchant will charge the account off of his bills receivable ledger, marking the account "paid by check," and if the customer returns the trade acceptance the merchant will make a similar charge, marking the account "paid by trade acceptance." In this way each account will be settled up and taken off the books every month, and the bothersome account of long standing with its many entries representing purchases, and its many payments of odd amounts "on account" will be done away with.

When these trade acceptances are received the merchant can take them to his bank and discount them for approximately 100 per cent. of their face value, instead of 50 per cent. as with the open book accounts, and the "10 per cent. rule" does not apply to them unless trade acceptances for an amount larger than 10 per cent. of the capital and surplus of the bank have been accepted by some one customer, in which case the "10 per cent. rule" would apply to the acceptance of this one customer only. Furthermore, the rate of interest will often be somewhat lower than the rate on the old-fashioned single name note, because the bank can turn the acceptance over to the Federal Reserve Bank at a preferential rate and thus make a good profit for the bank, as well as save money for the merchant by the lower rate granted him.

All of the conveniences of the open account can be retained, such for instance as the right to make partial payments, which can be arranged with the bank, and if the customer is not able to meet the trade acceptance when it becomes due and the merchant wishes to help him out he can do this by having the customer sign a promissory note with interest so that the merchant grants him the favor of an extension, but without the loss of interest that occurs under the old system. Trade acceptances are never given for renewals or old accounts, as these should always be settled with notes drawing interest.

Trade acceptances make it necessary for customers to pay up within a reasonable time after the goods are bought, and the merchant does not continue to carry the old long-drawn-out account which made it possible for his customers to buy of him "on tick" and at the same time use their ready money to buy of the mail order houses. The merchant complains about mail order competition, but in a majority of cases he himself is financing these very mail order purchases through the old-fashioned trouble producing open book account.

CLUBS AND SOCIETIES

GARDENERS' AND FLORISTS' CLUB OF BOSTON.

The Gardeners' and Florists' Club of Boston enjoyed a rare treat last Tuesday evening in the talk by Major P. F. O'Keefe on Publicity. Members who were not there—and there were many absent—missed one of the most enjoyable and instructive occasions that the club has had in a long time. The election of officers was also an important item on the evening's program. Andrew K. Rogers of Readville for president, Carl P. Sweetzer of Wakefield for vice-president, Sam. J. Goddard of Framingham for treasurer and Wm. N. Craig of Brookline for secretary were all elected unanimously, there being no contest for either one of these offices. There were eight candidates from whom to select five members of the executive committee and the successful ones were James Donald of Canton, Fred. J. Elder of Boston, George W. Hamer of Boston, Wm. H. Judd of Jamaica Plain and James Methven of Readville. This is an excellent roster of workers and presages a useful year in the Club's life.

Major O'Keefe, who has recently come into special prominence as manager for the S. A. F. publicity campaign, was not well known to many of the members previous to his appearance on this occasion, but he is well known now to all who heard him and they have certainly seen the light as never before on the great subject of modern advertising. Mr. O'Keefe's address was forceful and convincing. He told of the plans now being matured for increasing the sale of flowers, so that all classes would benefit by the uplift—retailers, wholesalers, growers and all allied interests—through the promotion and impetus of the application of modern merchandising methods for the popularizing of the florists' products. He especially dwelt upon the need for an immediate and forceful campaign and gave details as far as now decided upon of the methods to be adopted.

Henry Penn, chairman of the S. A. F. publicity committee, also gave a characteristically straightforward and eloquent talk on the subject, expressing his pride in the selection of Boston men to inaugurate and carry on this great enterprise. He declared that the agencies now set in motion would in due time be in a position to give a generous push to flower show enter-

Meetings Next Week

Monday, Dec. 24.

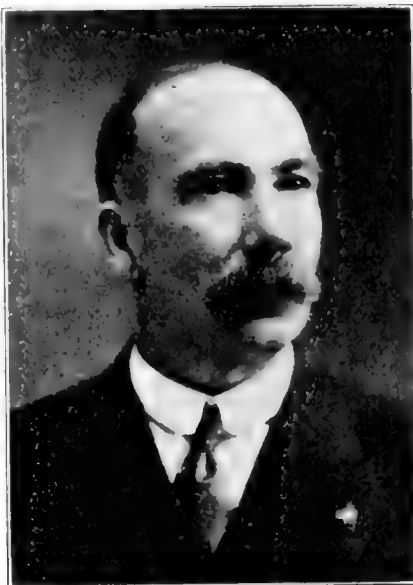
Florists' and Gardeners' Club of Rhode Island, Swartz Hall, Providence, R. I.
Gardeners' and Florists' Club of Baltimore, Florists' Exchange Hall, Baltimore, Md.

Wednesday, Dec. 26.

Oyster Bay Horticultural Society, Oyster Bay, N. Y.

Friday, Dec. 28.

Connecticut Horticultural Society, County Bldg., Hartford, Conn.
Monmouth County Horticultural Society, Red Bank, N. J.
Pasadena Horticultural Society, Pasadena, Calif.
People's Park Cottage Gardeners' Association, Paterson, N. J.



ANDREW K. ROGERS

President-elect Gardeners' and Florists' Club of Boston.

prise in Boston and elsewhere, and also predicted that this tide of sentiment for organization and co-operation would have a big influence in increasing the membership in the national society.

There was a brilliant exhibit of Christmas flowering plants from W. W. Edgar Company and a report of merit was given to Euphorbia Jacquinæflora, which was particularly well grown. W. N. Craig showed lettuce and spinach. Committees were appointed to prepare resolutions on the death of Joseph T. Clarke and Robert Rust. It was voted to discontinue the annual dinner of the Club this year and to have instead a ladies' entertainment and dance with refreshments, to be held in Horticultural Hall, in the first week of February. Six new members were taken in. The customary Christmas collection was made for Joe, the obliging and popular janitor of Horticultural Hall.

LANCASTER COUNTY FLORISTS' ASSOCIATION.

Thursday, Dec. 13th, an annual stag social was substituted for the regular dinner by this organization. This social was held at the Brenneman Building with bowling, billiards, pool, cards and social chatter interspersed with a buffet lunch prepared by our florist caterers, Elmer Weaver and David B. Rose.

In the bowling there were many surprises when the tenth frame was reached. Rudolph Nagle and President Schroyer were pitted against each other both in the duck pins and the large ones and they were very evenly matched. T. J. Nolan fell down for the first few frames but put up a real grand stand finish.

Outdoors it snowed and blowed a north east gale and quite a few left early, fortunately, for by ten-thirty most cars were out of commission and by morning there had fallen nineteen inches of snow and badly drifted.

A meeting was called for 7.30 in the poker room.

Secretary Frank Kohr was absent on account of the serious illness of his mother and Albert M. Herr was appointed secretary pro tem. A letter from the Leo Neissen Co. suggesting that the shippers from this section take up with the express company the advisability of sending a man along to look after the cut flower shipments, said man to be in the employ of the shippers. After much discussion pro and con a motion was carried that a special meeting be called for Monday night of cut flower shippers only to arrange for holiday shipments.

Nomination of officers for the ensuing year were as follows; president, Elmer Weaver, Ronks, Pa.; vice-president, Lemon Landis, Lancaster Pa.; secretary, Albert M. Herr, Lancaster, Pa.; treasurer, Harry K. Rohrer, Lancaster, Pa. Secretary Frank Kohr had asked to be relieved or A. M. Herr would not have been nominated as Mr. Kohr made an ideal secretary. The treasurer, accustomed to financing their own big business, handles the few dollars of the Club so well that he is likely to have a life job of it. The newly nominated president and his vice are both the sort of men that can make things hum and we can look forward to a good lively year. The auditor's report showed a nice balance in bank and the Club to be in a flourishing condition.

Albert M. Herr was endorsed by the Club as a candidate for Park Superintendent. B. F. Barr in a very neat little speech presented President Schroyer with a box of cigars and these were at once handed around. Jan. 17th will be the date for the next

meeting and a trip to Strasburg to visit Chas. B. Herr, J. Wade Galey and Amos Rohrer will be the program.

Expressions of sympathy with Albert M. Herr for his mishap with the boiler in his propagating houses over this blizzard were heard on all sides and I want to say that about a hundred dollars worth of oil stoves kept away a total loss of the stock. but. oh! my! there are some dollars going out on account of it.

ALBERT M. HERR.

NASSAU COUNTY HORTICULTURAL SOCIETY.

The annual meeting of this society was held in Pembroke Hall, Glen Cove, N. Y., on Wednesday, Dec. 12. Treasurer Brown's annual report showed this society had passed a very successful season, both in point of membership and financially. He also reported a substantial check, the proceeds of our two fall shows, to be sent to the Red Cross. Our old friend, Jas. Duthie, conducted the election of officers as follows in his usual good style: Robt. Jones, president; Thos. Twigg, vice-president; Ernest J. Brown, re-elected treasurer; Ernest Westlake, re-elected secretary; Harry Goodbrand, re-elected cor. secretary; Jas. McCarthy, trustee for three years. Executive committee: Jos. Adler, Wm. Noonan, Thos. Henderson, Frank Watson, Chas. Bigers, John W. Everitt and Sam. J. Trepess. President-elect Robt. Jones thanked the society for the honor conferred on him, and with the members' co-operation trusted we would have, as in the past, a successful administration. Jas. Kessen and Arthur Harris, two members who have just joined up with the Canadians to "do their bit," were present. Every member wishes them good luck and God speed. Their dues will be carried on by the society. Prizes were awarded to Jos. Mastroianni for lettuce and Thomas Twigg for Roman hyacinths. For the next meeting, Jan. 9, three poinsettias, twelve roses and twelve carnations will be the prize exhibits.

HARRY GOODBRAND, Cor. Secy.

STAMFORD HORTICULTURAL SOCIETY.

The regular monthly meeting of the Stamford (Conn.) Horticultural Society was held Friday evening, December 14. There was an especially large attendance and a social hour was spent for which refreshments were donated by G. B. Cannon, who received a vote of thanks. The officers were re-elected for the coming year. Exhibits were staged, a vase of carnations and bunch of violets receiving a vote of thanks. Two vases of roses—Radiance and Hadley—cultural certificate; seedling carnations, highly commended; exhibited by M. J. Quirk. Seedling chrysanthemums, highly commended, and tomatoes, Caster's Sunrise, cultural certificate; James Foster. Seedling single chrysanthemums, certificate of merit, Alex Geddes. Carnations, highly commended, A. Fattel.

W. J. RICE.

A USEFUL WHEELBARROW.



The type of wheelbarrow shown in the accompanying picture is one that is in constant use in the establishment of R. Vincent, Jr., & Sons Co., at Whitmarsh, Md., in carrying plants to and from the greenhouse and the packing and pottling house. The ordinary barrow has a raised platform set forward on a spring and carries three flats without jolting, each flat

3-in., or twenty 4-in. The hands are protected by a piece of strap iron nailed on the handles which keeps the hands of the wheeler from striking table legs, etc. This is Messrs. Vincent's own get-up and so far they say they have failed to find anyone with a better rig to move plants without jolting or more quickly than can be done with this barrow.

FRED LAUTENSCHLAGER.

We devote our title page this week to a portrait of the Chicago Florist Club's new president and feel that the gentleman whose "counterfeit presentment" there appears is fully worthy of the honor. That our readers will agree with us is beyond a doubt. Most of them know Fred Lautenschlager so well already that there is really nothing we can profitably tell them about him which they do not know already and his friends in horticulture are found everywhere from the Atlantic to the Pacific. The Chicago Florists' Club has for some time back held a foremost position among the aggressive and usefully initiative floral organizations in the country and this largely because of the efficient and willing work done by Fred Lautenschlager and his co-laborers. In placing him as their chief officer they have shown both gratitude and wisdom.

S. A. F. PUBLICITY CAMPAIGN.

Chairman George Asmus of the Finance Committee reports the following additional subscriptions:

Chas. H. Atkins, Inc., Rutherford, N. J., \$10.00; Edward Sick, Canandaigua, N. Y., \$15.00; Grand Bros., Wheat Ridge, Colo., \$5.00; J. Albert Brodribb, Hartford, Conn., \$15.00; A. N. Kinsman, Inc., Austin, Minn., \$10.00; Hallgren Bros., Wilson, Conn., \$5.00 annually for four years.

By the Florists' Telegraph Delivery Association, W. J. Smyth, Chicago, Ill., \$25.00; Julius Baer, Cincinnati, Ohio, \$10.00; J. M. Fox & Sons, Inc., Milwaukee, Wis., \$50.00; Franklin Park Floral Co., Columbus, Ohio, \$25.00.

Total, \$170.00. Previously reported from all sources, \$25,903.00. Grand total, \$26,073.00.

JOHN YOUNG, Sec.

Dec. 17, 1917.

CHRYSANTHEMUM SOCIETY OF AMERICA,

Reports of Committees.

Exhibited at Chicago, Dec. 14, by the Friedley Co., Cleveland, O., variety, Christmas Gold, yellow pompon, exhibition points 90.

CHAS. W. JOHNSON, Secy.

CLUB AND SOCIETY NOTES.

Officers for the ensuing year were elected at a meeting of the Reading, Pa., Florists' Association at the home of Alfred Landen, Sheerlund, Comru township. The new officers are: President, Paul Blachman; vice-president, Frederick Frank; secretary and treasurer, Fulmer H. Lauck.

At the forty-third annual convention and exhibit of the New Jersey State Horticultural Society three varieties of apples grown and exhibited by John H. Barclay, of Cranberry, captured the grand sweepstakes prize. Apple growers from New York, Connecticut and Rhode Island competed. Mr. Barclay's apples are Grimes Golden, Delicious and Stayman Wine Sap varieties. Mr. Barclay also captured the Newark Board of Trade cup and the State Chamber of Commerce cup for the best display of fruit and commercial exhibit. John W. De Baum & Son, of Pine Brook, won first prize in the vegetable class, with Henniger & Bender, of Richfield, second. Honorable mention was made of the exhibits of fruit and vegetables of the Sussex County Fruit Growers' Association and Bergen County, Cumberland County and Acquackanonk Grange growers.

PUBLICITY IN DETROIT.

Book of Garden Plans

By STEPHEN F. HAMBLIN

Associate of Warren H. Manning,
Landscape Architect

The purpose of this book is to aid those who are planning gardens and country places to visualize problems similar to their own and to see how a landscape architect would solve them.

There are twenty plans of model gardens and places in the book with directions and planting lists for each. The plans are wide in their variety ranging from boulder walls, arbors, peppy beds, and special borders to the different kinds of formal and informal gardens, rock, water, woodland, Japanese, annual, and wild flower. Photographs illustrate the basic idea of each plan.

The author says of the book in his introduction:

"A rough plan, even if very incomplete, will often be far more helpful to explain arrangement and grouping than will pages of printed instructions. But so as to help make these plans more definite, an actual piece of property was in mind in each case.

"Supposing, then, that the main features on our imaginary piece of ground have been decided upon, he can refer to the blue prints and see how, by the arrangement of our garden material, we can best add to the natural beauties of the ground and give them the touch of human hands."

A final chapter gives information on the practical side of gardening—the trees, plants, shrubs, vines, etc., for various conditions, cost estimating, time for planting, and other details. 20 blue print plans. 32 pages of illustrations. Net \$2.00.

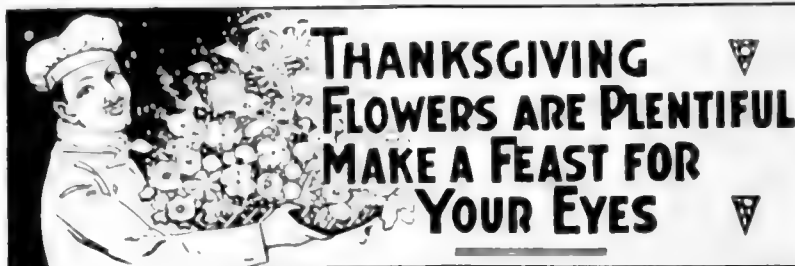
For Sale at
Office of HORTICULTURE.

VEGETABLE FORCING

By Prof. R. L. Watts

Which has just come from the press. This book was produced in response to numberless inquiries for a practical up-to-date volume on the forcing of vegetables. In our judgment it is the most complete, final and authoritative work on forcing ever issued. The author of this intensely practical book has had a large experience in growing crops under glass. He gives clearly and concisely, complete instructions covering Greenhouse Construction, Soil, Preparation, Insects, Diseases, Marketing, Cropping System, and the growing of all of the most important Vegetable Forcing Crops. The book will be found equally valuable to amateurs and experienced gardeners.

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Boston, Mass.



Decorate Your Family Table

Let Your Florist Be Your Thanksgiving Chef

The Florists of Detroit are all planning Special Thanksgiving Displays

Let us all help to make Thanksgiving day a day of deep significance

There is no way to express sentiment as well as thru flowers

Send Flowers to the lonesome mother who has sent her boy away to fight for us

But don't forget those close at hand. Let them know they have loving friends. Surely friendship is a gift to be vastly thankful for

Out-of-Town Service Guaranteed Everywhere Thru

Florists' Telegraph Delivery Association

The above illustration shows how the florists of Detroit pooled publicity for the good of the trade as a whole. That the Detroit florists had a satisfactory Thanksgiving trade is not surprising. It would be surprising if it were otherwise. This reminds us of Kipling's verses, the sentiment of

which applies as pertinently in the flower industry as it does in fighting.

"It ain't the guns nor armament
Nor funds that they can pay,
But the close cooperation
That makes them win the day.

It ain't the individuals
Nor the army as a whole,
But the everlastin' team work
Of every bloomin' soul."

—Kipling.

REDUCED TO LABORING CLASS

Editor HORTICULTURE:

Dear Sir: It has just been brought to my attention the fact that the Municipal Civil Service Commission passed a resolution changing the status of the gardeners in the city service from the competitive to the labor class, and the same has been approved by the Mayor and the State Civil Service Commission.

No notice was sent out by the Municipal Civil Service Commission of this proposed change, and not only were the gardeners not represented, but none of the Park Commissioners in the different boroughs received a notice, consequently the Departments were not represented at the hearing.

You can readily see the injustice that has been done to the gardeners, and it places us in the position of being on the same footing with a laborer, who in most cases, has not had any special training, particularly in gardening. As you know, many of us have spent a lifetime at our profession and it does not seem fair and just that with a stroke of a pen all this is lost.

I will assume it a favor that will be appreciated by all the gardeners in

the service if you would kindly have this matter brought to the attention of your readers who are interested in gardening, and help have this matter reconsidered, and the gardeners put back in the competitive class where they belong.

Thanking you for your courtesy in the matter, remain,

Very truly yours,
HENRY MACKAY, Sec.,
435 16th St., Brooklyn.

PERSONAL.

A. P. Meredith, a well-known gardener who has served in some of the most noted Berkshire and Lancaster, Mass., estates has been appointed superintendent of Franklin Cemetery, Franklin, Mass.

We are pleased to hear from A. N. Pierson at Cromwell, Conn., that he is home from the hospital and now able to attend to most of his duties. We hope he will quickly regain his former robust health.

We congratulate W. F. Therkildson of Burpee's on his appointment as vice-president of the food department, for Pennsylvania which has just been announced by Howard Heinz, Federal food administration for Pennsylvania.

OUR FLORIST SOLDIERS AND THE WAR.

Address by Clarence L. Brock, Superintendent of Parks, Houston, Texas, at a Banquet given to Florists in nearby Military Camp.

Men who grow flowers and plant trees may be said to study at first hand the fundamental antagonisms of Nature. They know better than anybody else that Nature is not at peace, but that all its various forms are continually striving in a war without end for the survival of the fittest. The most fragile flower is a warrior, battling from the very hour of its birth against a host of enemies which would destroy it. The trees in the forest fight for a place in the sun, and only the strongest among them succeed in overcoming their enemies and attain to age and magnificence. This principle holds true among all the creatures dowered with the blessing of life. It is a poetical error to designate some animals and birds as being peaceful and others as being fierce and predatory. According to their ways of thinking, they are all eager for the death of their enemies or the destruction of anything that gives them food and sustenance. The peaceful dove is practically in the same class with the ferocious tiger and predatory eagle, for if we but investigate this same peaceful dove, we shall find that his reputation is bad and that, as a matter of fact, he is in his quiet working hours "soaking it" to every live thing he can get away with and putting up a scrap with other doves for a mate. Shall the trees, flowers, animals and birds fight, and man alone waste himself and his vigor in ease and luxurious peace?

The soldier florists who are at this banquet tonight have said No. They have become a part of our grand American army which knows no North or South, East or West, in the noblest of all causes—to fight for the glory of America and for its principles of world-wide democracy and for the victory of a flag which has never been lowered in defeat.

Florist soldiers, by your studies and by your daily life, you have been accustomed to the strife of existence; you realize how well all nature is at war; and therefore there is no doubt that you will make good fighters in this greatest war that has ever been fought on land or sea. Knowing how natural it is for all things to fight, you will approach your task in a cool and systematic manner, for I should judge the good fighter, above all things else, must be cool and in perfect control of the faculties which the good Lord has given him.

While the flower bed, so calm and peaceful to the eye, is, in reality, a battlefield, the flowers rear their beau-

tiful heads to the sun in perfect composure. They have won the battle, because they have not lost their heads. One of the most celebrated generals of Japan, the victor on many fields of battle, realized the value of this lesson that is taught by the flowers. As you know, the system of Japanese flower arrangement is an intricate system, requiring many years of study for the mastery of its esoteric symbolism. This great general testified that when the time of battle was not far off, he gave several hours of study each day to this flower arrangement, as he found it had a calming influence upon him and enabled him to use his head more effectively.

It is likely, florist soldiers, that you will soon be on the battle line in the pleasant land of France. Our hearts shall be with you, as they are with all our soldier boys, and we shall hope some day to read how you have put into action the principles you have studied; how by your coolness, calmness and gallantry you have done some distinguished act to circumvent and defeat the enemy, so that your names have been blazoned forth as heroes of renown. When that day comes, the Florist Club of Houston shall join in the rejoicing and call a special meeting to celebrate the event, for we shall feel by doing well for yourselves and for the honor and glory of the flag, you have done good to us and every one of us.

Coatesville, Pa.—The Thomas Flower Shop, which has removed its quarters from the Post Office Arcade to the Pennock mansion, 247 East Lincoln Highway, occupying the large east room, is being extended by a glass enclosure of the east half of the front porch, which not only will give larger, but better displaying facilities for the potted plants and the Christmas greens.

FERNS

Elegantissima, Elegantissima compacta, and Smithii, 3½-in. pots, 25c. and 35c. each.
Elegantissima, Elegantissima compacta, Teddy, Jr., and Superbissima, 6-in. pans, 50c. and 75c. each.
Smithii, 5-in. pots, 50c. and 75c. each.

We have a fine stock of the fancy varieties of Nephrolepis in extra fine shape for immediate shipment. We offer the following:

Smithii, 6-in. pans, 75c. and \$1.00 each.
Elegantissima, Elegantissima compacta, Teddy, Jr., and Superbissima, 8-in. pans, \$1.00 and \$1.50 each.
Harrisii, 8-in. pans, \$1.50 and \$2.00 each.
Elegantissima, 10-in. pans, \$3.00 and \$3.50 each.

Shipment in pots at maximum prices only

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DRACAENA TERMINALIS

Well colored, fine clean plants, good value

In 4 in. pots, 25c each; 4½ in. pots, 35c each; 5½ in. pots, 50c each. Cash with order.

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Specialists in Specimen Stock for Landscape Work

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JOHN LEWIS CHILDS, Inc.

A GOLDEN WEDDING.

The photograph reproduced herewith of Mr. and Mrs. R. Vincent, Jr., of Whitmarsh Md., was taken on Mr. Vincent's birthday, December 16, 1917. A more sunny and congenial couple it would be hard to find on the closing of fifty years of married life. Mr. Vincent has led an active business life and acquired by his industry a well earned competence. Much of the burden of the big establishment is now borne by his sons, who are associated with him in business, leaving him free to travel more or less and take an



MR. AND MRS. R. VINCENT, JR.

active part in the various societies and clubs, in many of which he holds or has held an exalted official position. His most prized organization is perhaps the American Dahlia Society of which he has been president since its organization under his auspices. Mrs. Vincent has many warm friends among the folks who attend conventions and exhibitions far and near, as she usually accompanies her husband on these occasions.

Their golden wedding observance will take place on December 26, when there will be a large gathering of the family and friends to celebrate the happy anniversary. May they be privileged to enjoy many more years of peaceful comfort and good health is HORTICULTURE's best wish.

MASSACHUSETTS AGRICULTURAL COLLEGE.

Harry Sidel writes from New York, where he is now salesman in a seed store, that he likes it very well.

Andrew N. Schwab, '17, who is teaching market gardening at the Essex County Agricultural School, is visiting Amherst for the week, attending the conference of County Agricultural teachers.

S. C. Vinal, '15, entomologist, has prepared a paper on the corn ear

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worm, a newly imported insect pest, which is to be distributed very soon. Copies may be obtained by addressing the Experiment Station, Amherst, Mass.

Prof. A. G. Hecht, head of the Department of Floriculture, was quietly married last week. After letting his friends believe that he had gone West to be married, he returned to Amherst and was married by Rev. E. F. Newell. The bride's name was Miss Olive M. Neville, of Kewanee, Ill.

William Doran, formerly New Hampshire State botanist, has been appointed Field Agent in Plant Diseases, B. P. I., U. S. D. A. stationed at Amherst. Mr. Doran is a graduate of M. A. C. in 1915. Mr. Doran also pursued graduate work at the State College and worked on the Rust of the Snapdragon.

CATALOGUES RECEIVED.

J. Bolgiano & Son, Baltimore, Md. - Advance 1918 Wholesale Prices for Market Gardeners, of Bolgiano's "Big Crop" Seeds. A very substantial list for the food crop grower.

R. Vincent, Jr., & Sons Company, White Marsh, Md.—"Vincent's Dahlias," an attractive little pocket size publication, inclosing a supplementary List of New Dahlias for 1917-1918, in which the most desirable novelties are included.

The Pfaltzgraff Pottery Co., York,

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Named Hyacinths, extra 1st size	38.00
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Mixed Darwin Tulips.....	8.00
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Narcissus, all sorts mixed.....	4.50

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Chicago, Ill.—H. C. Rowe Company, Mailers Bldg., East Madison street and Wabash avenue.

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Flowers

FROSTED PLANTS.

What Not to Do and What to Do.

One of our retail florist subscribers is sending out with all his packages the following circular under the above heading. It is a good idea and we commend it to our florist readers.

Very often during the winter months plants are received in a frosted condition, owing to a sudden or unforeseen drop in the temperature or from the exposure to extreme cold while in transit, on station platform or in delivery wagon, conditions over which the shipper has no control for it makes no difference how well the boxes may be lined with paper, naturally the frost will penetrate in any object if exposed long enough.

When a shipment of plants is received in even a slight frosted condition, they should not under any circumstances be handled or unpacked, if so then disastrous effects must be expected.

Whereas, if properly treated they can be saved almost without an exception. If when received the plants are frosted even to the soil being frozen, the boxes should be opened and the paper loosened, so that the air can penetrate and then the boxes placed in a cool cellar where the temperature is only slightly above the freezing point and let remain there for at least 36 hours or longer if necessary until the frost is thoroughly drawn out, and then unpacked and put in a slightly warmer temperature for a few hours, then very little damage to the stock, if any, will result from the frost.

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bury St.

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Boston—Penn the Florist, 124 Tremont St.

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St.

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	BOSTON Dec. 20		ST. LOUIS Dec. 10		PHILA. Dec. 10	
Roses						
Am. Beauty, Special	15.00	to 40.00	40.00	to 50.00	31.00	to 35.00
" " Fancy and Extra	6.00	to 20.00	10.00	to 20.00	20.00	to 25.00
" " No. 1 and culls	4.00	to 6.00	15.00	to 25.00	8.00	to 12.00
Russell, Euler, Mock	2.00	to 10.00	10.00	to 25.00	10.00	to 30.00
Hadley	2.00	to 10.00	10.00	to 25.00	10.00	to 35.00
Arenberg, Hoosier Beauty	2.00	to 8.00	10.00	to 25.00	10.00	to 30.00
Ward	2.00	to 8.00	4.00	to 10.00	8.00	to 20.00
Killarney, Radiance, Taft	2.00	to 8.00	4.00	to 10.00	6.00	to 20.00
Ophelia, Sunburst, Hillingdon	2.00	to 10.00	6.00	to 15.00	6.00	to 15.00
Carnations	2.00	to 6.00	4.00	to 6.00	5.00	to 6.00
Cattleyas	40.00	to 50.00	75.00	to 100.00	50.00	to 75.00
Dendrobium formosum	10.00	to 50.00	10.00	to 10.00	10.00	to 10.00
Lilies, Longiflorum	8.00	to 12.00	15.00	to 15.00	12.00	to 15.00
Lilies, Speciosum	6.00	to 8.00	10.00	to 10.00	10.00	to 10.00
Lily of the Valley	6.00	to 8.00	5.00	to 10.00	10.00	to 12.00
Snopdragon	2.00	to 4.00	10.00	to 10.00	10.00	to 12.50
Bouvardia	1.00	to 1.00	10.00	to 10.00	3.00	to 6.00
Violets	1.00	to .75	.75	to 1.00	1.00	to 1.25
Chrysanthemums	6.00	to 12.00	10.00	to 10.00	10.00	to 10.00
Narcis, Paper White	1.00	to 1.00	4.00	to 5.00	1.00	to 4.00
Roman Hyacinths	1.00	to 4.00	10.00	to 10.00	3.00	to 4.00
Stevia	1.00	to 1.00	1.00	to 1.00	.25	to .35
Sweet Peas	10.00	to 15.00	1.00	to 2.00	1.00	to 3.00
Marguerites	1.00	to 3.00	2.00	to 4.00	1.50	to 2.00
Gardenias	25.00	to 35.00	10.00	to 10.00	20.00	to 35.00
Adiantum	1.00	to 1.25	1.00	to 1.00	1.00	to 1.50
Smilax	12.00	to 16.00	10.00	to 20.00	15.00	to 20.00
Asparagus Plumosus, & Sprea. (100 Bchs.)	35.00	to 50.00	10.00	to 40.00	40.00	to 50.00

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568 570 WASHINGTON STREET - BUFFALO, N. Y.

J.A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER OF

CUT FLOWERS



Flower Market Reports

BOSTON The oldest inhabitant is as much disconcerted and helpless when it comes to Christmas predictions as the "veriest tyro" this year. Nobody has any line on the outlook and all are "at sea," and generally timorous about putting a price on what they have to sell or may want to buy. It is true that shipping orders from out-of-town are coming to the wholesalers in about the usual pre-holiday bulk but locally there is an evident tendency to hold back. The worst stock in the week's sales as well as in the advance calls for next week is the special grades of roses. The demand is closely limited to the medium class of buds—say 9-12-15-inch stems. The 4-5 ft. exhibition giants find no buyers. Carnations are in sufficient supply for ordinary use but the red varieties are in the diamond class with nowhere near the number that will be taken up even at prices trebled for holiday delivery. In our price tables we quote rates as prevailing five days ahead of Christmas. On the average the prices demanded for Monday delivery by the wholesale dealers run at an advance of about fifty per cent on these values.

Business is hardly **CINCINNATI** fair. The supply, however, has shortened so greatly that there is not enough to go around and good prices prevail. The outlook for Christmas is not encouraging at all and unless receipts become heavy there will be a great shortage at Christmas time. Roses are only fairly plentiful and generally sell on sight. Carnations are meeting with a good market. The chrysanthemum season is about over but still a few late ones may be had. Lilies and callas sell pretty well. Snapdragons are again coming in. Stevia finds a good sale. Narcissus may be had in limited quantities.

Flowers continue **CLEVELAND** scarce on account of the extended cold weather and so far as cut flowers are concerned indications do not point to a big Christmas. Growers are getting coal a little at a time and manage to keep going. Traffic conditions have the most important effect on the market, the embargo affecting both the supply to this market and distribution to the smaller towns in this section.

The cut-flower demand is never brisk **NEW YORK** the week before Christmas, as we all know, but that is not all the reason for the listless market we have now for there has been no activity to it for some weeks. The supply of stock is not large for the weather conditions have kept it down. Everything drags and there is no one thing that is in particular de-



LILAC

The first cuts are now reaching us. Unusually choice quality, large, well-grown heads.

\$2 per bunch

S. S. PENNOCK CO.

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Franklin & St. Paul Sts. 1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	CINCINNATI Xmas Quot.	CHICAGO Dec. 10	BUFFALO Dec. 3	PITTSBURGH Xmas Quot.
Roses				
Am. Beauty, Special.....	80.00 to 100.00	40.00 to 50.00	40.00 to 50.00	60.00 to 80.00
" " Fancy and Extra.....	60.00 to 80.00	30.00 to 40.00	30.00 to 40.00	35.00 to 50.00
" " No. 1 and culls.....	15.00 to 50.00	6.00 to 10.00	3.00 to 15.00	20.00 to 30.00
Russell, Euler, Mock.....	8.00 to 20.00	6.00 to 30.00	4.00 to 10.00	20.00 to 30.00
Hadley.....	8.00 to 20.00	4.00 to 15.00	4.00 to 8.00	..... to
Arenberg, Hoosier Beauty.....	6.00 to 18.00	4.00 to 15.00	3.00 to 12.00	12.00 to 20.00
Ward.....	6.00 to 15.00	4.00 to 12.00	3.00 to 5.00	12.00 to 20.00
Killarney, Radiance, Taft.....	6.00 to 15.00	5.00 to 12.00	3.00 to 8.00	10.00 to 20.00
Ophelia, Sunburst, Hillingdon.....	6.00 to 20.00	5.00 to 12.00	4.00 to 12.00	12.00 to 25.00
Carnations	8.00 to 10.00	2.00 to 4.00	3.00 to 5.00	8.00 to 12.00
Cattleyas	75.00 to 100.00	60.00 to 75.00	60.00 to 75.00	..... to 100.00
Dendrobium formosum	..... to	60.00 to 75.00	..... to .....	..... to
Lilies, Longiflorum	..... to 15.00	10.00 to 12.00	8.00 to 10.00	..... to 16.00
Lilies, Speciosum	..... to .....	..... to	4.00 to 6.00	..... to 12.00
Lily of the Valley	..... to 10.00	4.00 to 6.00	8.00 to .....	..... to
Snapdragon	..... to 6.00	4.00 to 6.00	3.00 to 5.00	..... to
Bouvardia	..... to	2.00 to 3.00	..... to .....	..... to
Violets	..... to 2.00	75 to 1.00	..... to	1.50 to 2.00
Chrysanthemums	2.00 to 25.00	..... to	6.00 to 25.00	..... to
Narcis, Paper White	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00	..... to 4.00
Roman Hyacinths	..... to .....	..... to	3.00 to 5.00	..... to
Stevia	3.00 to 4.00	1.00 to 3.00	1.25 to 1.50	..... to 2.00
Sweet Peas	..... to 2.00	..... to 1.50	75 to 1.25	..... to 4.00
Marguerites	..... to .....	..... to	1.00 to 1.50	..... to
Gardenias	..... to .....	..... to .....	..... to .....	..... to
Adiantum	..... to 1.00	..... to 1.00	1.00 to 1.25	..... to 1.25
Smilax	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	..... to 25.00
Asparagus Plu. & Spren. (100 Bhs.)	15.00 to 35.00	25.00 to 50.00	35.00 to 50.00	..... to 40.00

mand. There are enough American Beauty roses to meet demands and the teas are moving very slowly, particularly long stock, which is and has been selling proportionately cheap compared with short grades. Lily of the valley and orchids are held at high figures but do not find a ready sale. The supply of violets is light. Chrysanthemums are not yet finished but little interest in them is shown by buyers. There are no indications at present of a heavy crop of either roses or carnations for Christmas, and it may be that an agreeable surprise may await the retailer in the way of good business. Of yellow and white narcissi there is abundance. Christmas holly seems to be scarce.

An average cut of **PITTSBURGH** roses, carnations and other staples is expected for the Christmas trade. Quality promises to be excellent on all lines, but high prices will prevail, beyond any question. The Pittsburgh Cut Flower Company is sending out with all its quotations, etc., a statement that all prices are subject to change without notice and, further, that they cannot guarantee the shipment of any order to reach its destination on any certain train. Will make delivery to the express company

(Continued on page 667)

H. BAYERSDORFER & CO. Manufacturers and Importers

1129 Arch St. PHILADELPHIA, PA.

Fall Novelties Now On Display

New Show Rooms Added

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

H. E. FROMENT

Wholesale Commission Florist
Choice Cut Flowers

New Address, 143 West 28th St., NEW YORK
Telephones: 2281, 2281, Madison Square.

WM. P. FORD

Wholesale Florist
107 W. 28th Street, NEW YORK

Telephone 2485 Farragut
Call and inspect the Best Establishment
in the Wholesale Flower District.

JOHN YOUNG & CO.
WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

Phone Farragut 4336

RIEDEL & MEYER, Inc.
Wholesale Commission
READY FOR BUSINESS
49 WEST 28th ST. NEW YORK.

GEO. C. SIEBRECHT
WHOLESALE FLORIST

109 WEST 28th ST
CONSIGNMENTS SOLICITED

PHONE 608 FARRAGUT NEW YORK
609

IMMORTELLS—Fresh from France
Per doz. bunches, \$3.00; per case,
125 bunches of one color, \$28.00.
JAPANESE FIBRE ROPING—Per
ball, \$70; per case, \$60.00.
FLORISTS' SUPPLIES AND
GREENS.

THE KERVAN CO. 119 W. 28th St.
NEW YORK

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

28 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

Established 1888

Tel. 561 Farragut

GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New
England Grown Novelties.

**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.

TELEPHONE 2281 / 3089 FARRAGUT 131 West 28th St., NEW YORK CITY

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.
WHOLESALE ONLY

HAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, NEW YORK

Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the

BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.

PAUL MECONI—Wholesale Florist—NEW YORK

Telephone Nos. 3864 and 8364 Madison Square

57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER MORN, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists

Phones: Farragut 558, 2016 and 2017

111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Half of Week ending Dec 15 1917		First Half of Week beginning Dec. 17 1917	
American Beauty, Special	20.00	to 30.00	20.00	to 40.00
" " Fancy and Extra	10.00	to 12.00	10.00	to 15.00
" " No. 1 and culls.	2.00	to 6.00	1.00	to 6.00
Russell, Euler, Mock	2.00	to 10.00	2.00	to 10.00
Hadley	2.00	to 15.00	2.00	to 15.00
Arenberg, Hoosier Beauty	2.00	to 8.00	2.00	to 8.00
Ward	1.00	to 8.00	2.00	to 6.00
Killarney, Radiance, Taft	1.00	to 8.00	2.00	to 8.00
Ophelia, Sunburst, Hillingdon	2.00	to 10.00	2.00	to 10.00
Key	2.00	to 12.00	2.00	to 12.00
Carnations	2.00	to 4.00	2.00	to 6.00

GROWERS' CUT FLOWER COMPANY
WHOLESALE FLORISTS

129 West 28th Street

Tel. 6237 / 3583 Farragut

E. J. VAN REYPER, Mgr.

WALTER F. SHERIDAN

Wholesale Commission Dealer In

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3532-3533 Madison Square

Frank H. Traendly

Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797, 798, 799 Farragut

Consignments Solicited

JOSEPH S. FENRICH

WHOLESALE FLORIST

LILIES EVERY DAY

51 W. 28th Street, New York

Telephones, 420-421-422 Mad. Sq.

HERMAN WEISS

WHOLESALE FLORIST

Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

130 West 28th Street, Tel. Farragut 634,

NEW YORK.

Flower Market Reports

(Continued from page 665)

in reasonable time for shipments to be forwarded but will not assume any responsibility of any shipment after they have made delivery to the express company. All shipments forwarded subject to delay at buyer's risk and all orders accepted accordingly.

Trade has been very quiet but is picking up considerably now and hopes are entertained for a good Christmas. Flowers are very scarce indeed with very slim prospects for the holidays. Roses are the principal flowers offered. Violets are moving a little better. Paper whites are selling good. Lilies are plentiful but do not move overfast. There is some calendula and corn flowers. Potted plants are coming along in good shape and include good begonia and cyclamen. Mistletoe is in and of good quality.

Visitors' Register

New York—Jas. A. Brown, Capitola, Cal.; P. Welch, Boston.

Rochester, N. Y.—Robert Bard, Syracuse, N. Y.; Gustine Noack, Batavia, N. Y.

Philadelphia—Wm. D. Ord, Landgraaf, West Virginia; T. Malbranc, Johnstown, Pa.

Boston — Prof. Hecht and Mrs. Hecht, Amherst, Mass.; Walter Gott, rep. Sander & Son, St. Albans, Eng.

NEW CORPORATIONS.

Chicago, Ill.—Weiland-Risch Co., wholesale cut flower growers, capital stock, \$25,000.

Youngstown, O.—Belmont Avenue Floral Company, capital stock, \$10,000. Incorporators, F. G. King, J. H. Fitch, Jr., Judson Brenner and others.

The Secretary of State of Ohio granted a charter to The Crest Nursery Co., of Piqua, Ohio, with capital stock of \$15,000, with Ralph H. Peterson president and general manager, Bernard Stech vice-president, H. R. Peterson secretary, H. E. Marks assistant secretary, Arthur A. Marks treasurer. This is a revised report on our note of last week, which was partially incorrect.

WE LIKE TO GET THESE

Gentlemen:

Enclosed please find our check to the value of Three Dollars, in payment of three years' subscription in advance to "Horticulture." We always find pleasure in looking through the columns of your valued publication and wish to herewith express our appreciation and good wishes for its continued success. Very truly yours,
Kingston, N. Y.

HENRY M. ROBINSON CO. OF NEW YORK WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13—8510 Madison Square

MAURICE L. GLASS, Treasurer

Consignments Solicited

J. K. ALLEN

SERVING THE TRADE AS WHOLESALE COMMISSION FLORIST FOR OVER THIRTY YEARS.

I have room now for a few more regular shippers of good flowers. I have a steady market for all varieties. Make a start now for the coming season.

118 West 28th St.

NEW YORK

TELEPHONES
Farragut 167 and 3058

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS

	Last Half of Week ending Dec. 15 1917		First Half of Week beginning Dec. 17 1917	
Cattleyas.....	25.00	to 50.00	25.00	to 60.00
Dendrobium formosum.....	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum.....	4.00	to 8.00	6.00	to 8.00
Lilies, Speciosum.....	2.00	to 4.00	2.00	to 4.00
Lily of the Valley.....	3.00	to 8.00	3.00	to 8.00
Snapdragon.....	1.00	to 4.00	1.00	to 6.00
Bouvardia.....	1.00	to 3.00	1.00	to 3.00
Violets.....	.40	to .75	.50	to 1.00
Chrysanthemums.....	2.00	to 20.00	2.00	to 20.00
Narcis, Paper White.....	1.00	to 2.00	1.00	to 2.00
Roman Hyacinths.....	2.00	to 3.00	2.00	to 3.00
Stevia.....	.75	to 1.00	.75	to 1.00
Sweet Peas.....	1.50	to 2.00	1.50	to 2.00
Marguerites.....	1.00	to 2.00	1.00	to 2.00
Gardenias.....	20.00	to 40.00	20.00	to 40.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	8.00	to 10.00	8.00	to 10.00
Asparagus Plumosus, & Spreng (100 bunches).....	15.00	to 25.00	15.00	to 25.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

Address Your Shipments to

UNITED CUT FLOWER CO. Inc.

111 W. 28th St., NEW YORK

D. J. Pappas, Pres.

CONVENTION VISITORS WELCOME

J. J. COAN, Inc.

HIGH CLASS FLOWERS.

ALL THE STANDARD STOCK.

THE PRODUCT OF THE LEADING GROWERS.

NOVELTIES AND UNUSUAL VARIETIES A SPECIALTY.

Consignors of Good Stock for the New York Market Please Call or Write

115 W. 28th Street

NEW YORK

TELEPHONES
Farragut 5413 or 5891

N. Y. FLORISTS' SUPPLY COMPANY, Inc.

103 W. 28th Street, NEW YORK

EVERYTHING FOR THE FLORIST

CHARLES E. MEEHAN

Wholesale Cut Flowers
Plants, Greens, etc.

5 So. Mole St.,

PHILADELPHIA, PA.

SINGLE VIOLETS WANTED

Violets and novelties are my Hobby. Consign your flowers to me. I can sell them to your satisfaction.

CLARENCE SLINN, 112 W. 28 St.
NEW YORK

FLOWER GROWERS

I have a good wholesale market for Pansies, Violets, Carnations and all other stock of quality.

Regular Shipments Solicited

B. S. SLINN, Jr.

55 and 57 W. 26th Street, NEW YORK

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our Metal Designs, Baskets, Wire Work & Novelties and are dealers in Decorative Glassware, Growers and Florists' Requisites

Beechwood Heights Nurseries

Importers and Growers of

ORCHIDS

Cut Flowers of All the Leading Varieties in their Season.

THOMAS YOUNG, Jr., Proprietor

BOUND BROOK, N. J.

Est. 1765

Inc. 1904

Pot Makers for a
Century and a Half**HEWS****STRONG
RED
POROUS****POTS**World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**LOCAL AND GENERAL NEWS****CLEVELAND.**

The May Co. department store conducted a special cut price sale in bulbs following the arrival of belated shipments from Holland.

A. Weaver, florist of Massillon, O., turned over his stand in the Central Market House to the Borroughs Nature Study Club who conducted a special flower sale for Red Cross recently.

The second week in December saw the red Christmas windows appear in the downtown florist shops. Smith & Feters and Gassers were among the first to get into the field with Christmas windows.

W. Q. Potter, wholesaler, maintained his reputation as humorist during the cold weather by posting a large headline and story from a newspaper of July 31, "105 Degrees, Hottest Day of the Summer."

Many florists are speculating on the outcome of the approaching draft. All branches of the trade were touched by the taking of the first quota and those with liable men in their employ fear the second may be still more serious.

The city of Cleveland recently secured \$800 worth of Holland bulbs by paying the Nickel Plate R. R. \$67.40 freight charges, about ten cents on the dollar. The florist to whom they were consigned refused to accept them as they arrived late.

Julius Kish, inventor, when arraigned before Common Pleas Judge Powell, pleaded guilty to the charge of murdering Frederick Bartels, superintendent of the J. M. Gasser Co., greenhouses at Rocky River, September 15, and was sentenced to life imprisonment, through clemency of the court asked on account of the plea of guilty, and the fact that his inventive genius may be of value to the community. He is 20 years old.

The embargo on express has become more stringent. The American Express has now declared an embargo both out and in in all directions. Adams Express was in a similar situation. At latest reports Wells Fargo and the Electric Package were accepting goods but it was a question whether they would continue to do so long under conditions. Some of the companies will not collect packages but will endeavor to handle them if they are deposited at the stations.

Growers in this section as a rule seem to have weathered the recent cold spell without any serious results. There are no reports of any greenhouses seriously injured through lack of coal. Some florists are getting their coal weekly and others are running only from day to day, but all seem to be getting by. Reports from outlying districts are about the same. Mr. Hickson, of the Hickson Floral Co., Elyria, O., in Cleveland, December 14, stated that he had two weeks supply on hand, but no line on any more after that.

PHILADELPHIA.

The cry all along the line is "short crop." Plenty of orders have been booked, but the delivery end is most problematical and everybody is on the anxious bench.

Carl of the Heacock Co. said they were shipping no cut roses by express these two months back; parcel post only. What they could not ship that way they would not ship at all.

Robert Craig had an interview with the manager of the Adams Express Company today and they promised him all the help they could on shipments and said they had made special arrangements.

Deliveries by truck-auto within a hundred miles of this city are much in evidence. Dreer, Craig and others are busy in that connection between New York, Baltimore and Washington. Today we noticed the big auto of the Edwards Floral Co. of Atlantic City carrying off a load of plants and flowers from the S. S. Pennock Co.'s, well wrapped up, and with a heater they seemed safe enough.

As is always the case a week before Christmas, retail trade is very slow. The shipping trade seems to be fairly good, especially in the plant line. The campaign of advance shipments so strongly advised by the leading plant growers seems to have borne good fruit. The general outlook for Christmas very cheerful, but, of course, it's all a guess. We have never gone through a similar proposition before. There was no shipping business to speak of during the Civil war, and the Spanish war was but a ripple compared with the present explosion. So there is little to guide us.

ST. LOUIS.

The Florists' Masquerade on December 12th was a great success.

George Asmus of Chicago attended a meeting on Dec. 15th at headquarters of National Flower Show here. The chairmen of all committees reported to Mr. Asmus.

At time of writing, after a very severe cold spell, it is moderating. Christmas novelties are selling. Japanese frieze, ruscus and all Christmas greens are extensively displayed.

We regret to announce the serious illness of George Waldbart, a prominent retailer on Grand Avenue. Andrew Hoffman will have full charge of the store during Mr. Waldbart's absence.

The St. Louis Florists Club met at the wholesale house of C. A. Kuehn on Dec. 13, forty members present. J. Hubbard of St. Louis Provident Association read a paper on "How St. Louis Helps the Poor." The next meeting, January 10th, 1918, will take place at Wm. C. Smith & Co.'s wholesale floral establishment.

ROCHESTER, N. Y.

Dewey Lester, stationed at Corpus Christi, is now ready to sail for France.

Tom Sullivan, formerly of G. Hart's has been transferred to the Aviation Corps now in Texas.

A. E. Kaelber has discontinued business and will leave for Washington on Dec. 26, where he will take a Government position. George Boucher has taken over the greater part of the A. E. Kaelber, Inc. stock.

The Rochester Florists' Association at its meeting on Dec. 10th, appointed President H. B. Stringer, A. H. Secker and H. J. Head a committee to send a box of cigars to each of the fourteen members of the Association who have been called to the colors. Jonathan Dunbar, George M. Keller, Charles H. Vick, A. H. Salter and J. M. Dickinson were appointed to nominate officers. John Dunbar, assistant superintendent of parks, gave an interesting address on Some Hardy Ornamental Fruits.

Middletown, Ill.—Otto Larsen has purchased the Capital Greenhouses at Springfield, and will remove them to his range.

THE PFALTZGRAFF POTTERY CO., York, Pa.

Manufacturers of Florists Pots, Bulb Pans, Fern Dishes, etc.

WE LEAD IN QUALITY, FINISH AND SERVICE

For Catalogues and Discounts address

AUGUST RÖLKER & SONS, 51 Barclay Street, NEW YORK CITY

Our Selling Agents in N. Y., N. J. and Eastern States Territory

CINCINNATI.

The Cincinnati florists who have answered the call to arms include the following: Dan and Harry Gray, with the Engineers' Corps in France; Chas. Windram, in the Marines' Aviation Corps, and about to sail for France; Paul Nabor, of C. E. Critchell's force; Ralph Slomer, formerly of C. E. Critchell's force and of the Oakley Flower Shop; Fred Murphy, Herman Cramer, with the R. A. Kelly Co.; Clifford Moreland, with Fred Gear; J. C. Peterson, Arlington George; John Deusch, with Durban's Northside Store, and E. W. Thomas. W. Ray Murphy and C. J. Jones have forwarded to each one his proportionate share of the comfort kit fund raised by them among the florists.

BOSTON.

Announcement is made of the engagement of Miss Catherine T. Hanley of Lexington street, East Boston, and Mr. William F. J. Doherty of Princeton street, same district. Both Miss Hanley and Mr. Doherty are well known florists.

Obituary

Nellie Goodge.

Miss Nellie Goodge, an industrious florist of Evansville, Ind., for the past thirty years, died on Thanksgiving Day, Nov. 29, aged 62 years, after a long period of declining health.

Robert Rust

Robert Rust, gardener for Miss Hopkin, Pomfret, Conn., was killed by an accident while cranking an automobile, on Saturday, December 15. He was one of the best gardeners in the state and exceedingly popular with his fellows. A large delegation went from Boston to the funeral on Wednesday, Dec. 19. A widow and-eight children, the youngest only three years old, are left to mourn.

John Meikle.

John Meikle, formerly gardener on

the W. Storrs Wells estate at Newport, R. I., but retired for some time since on account of age, died at his home in that city on December 5, aged 83 years. He leaves four sons and two daughters, two of the former, Andrew S. and Hugh, being gardeners on the Wells estate and the Terry estate respectively. John Meikle was an estimable gentleman, much beloved by a wide circle of friends.

Mrs. Kate Pfeiffer.

Death has removed another one who has long been identified with the florist business in Cincinnati and vicinity when Mrs. Kate Pfeiffer, wife of Charles Pfeiffer, died suddenly at her home in Ft. Thomas, Ky., last Friday. Up to six years ago when their sons succeeded them, and they retired, Mr. and Mrs. Pfeiffer ran a greenhouse plant at Ft. Thomas. The survivors are her husband, Charles and Harry, sons, and Mrs. Laura Tiernan, a daughter. The interment was in Spring Grove cemetery.

WANTS, FOR SALE, Etc.

HELP WANTED

WANTED -A good salesman for large house. A good salesman wanted for covering the retail trade in the East. Real good prospects for the right man. Experience necessary. Box No. 15 care HORTICULTURE.

SITUATIONS WANTED

YOUNG WOMAN wants greenhouse position. Has had experience with commercial firm and in private greenhouse. Good references. C. B., care HORTICULTURE.

FOR SALE

Complete set, six volumes in perfect condition, of the *Cyclopedia of American Horticulture* by L. H. Bailey. This is the original 1906 edition published by Doubleday, Page & Co., with the Synopsis of the Vegetable Kingdom inserted. Will sell cheap.

Address Bailey, care HORTICULTURE.

Little Ads. That Bring Big Returns

Little Ads. in our Classified Buyers' Directory bring big returns to both advertiser

Anything wanted by florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium.

Don't fail to read over these Ads. in each issue and you may find one or more that will prove profitable to you.

CLASSIFIED DIRECTORY

Advertisements in this Department, Ten Cents a Line, Net

BEDDING PLANTS

Rooted cuttings of Feverfew, \$15.00 Thousand. Extra well rooted cuttings of "Helen Mitchell," best red geranium grown, \$17.50 Thousand. E. G. BLANEY, 163 Burrill St., Swampscott, Mass.

BULBS

C. KEUR & SONS, HILLEGOM, Holland. Bulbs of all descriptions. Write for prices. NEW YORK BRANCH, 8-10 Bridge St.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell. Stock For Sale. JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker. Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

DAISIES

Daisies (Bellis) Monstrosa, white and pink, also Longfellow and Snowball. Thinly sown field-grown seedlings, \$2.50 per 1000, \$11.50 per 5000, cash.

BRILL CELERY GARDENS, Kalamazoo, Mich.

GLASS

Greenhouse glass, lowest prices. JOHNSTON GLASS CO., Hartford City, Ind.

PANSY PLANTS

Pansy Plants, Strong and stocky. Strains unsurpassed by any for Size of Bloom or Colors. \$2.50 per 1000, \$11.50 per 5000. Cash. Satisfaction or your money back.

BRILL CELERY GARDENS, Kalamazoo, Mich.

PEONIES

Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

ROSES

Roses, Canas and Shrubs. THE CONARD & JONES COMPANY, West Grove, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAGGE & HURRELL, Summit, N. J.

STEAM TRAP

Morehead Steam Trap in good condition, for sale cheap. E. G. BLANEY, 163 Burrill St., Swampscott, Mass.

VINES

Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Pleasant Nursery, New Rochelle, N. Y.

WIRE WORK

WILLIAM E. HEILSCHER'S WIRE WORKS, 284 Randolph St., Detroit, Mich.



"HAMMOND'S GRAPE DUST"

Used effectively to kill Powdery
Mildew on Roses and other Plants

USED BY THE FLORISTS FOR OVER 25 SUCCESSIVE YEARS

Sold by the Seed Dealers.
For pamphlet on Bugs and Blights address

HAMMOND'S PAINT AND SLUG SHOT WORKS

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NEWS NOTES.

Paterson, N. J.—Ed. Sceery, Paterson's wide-awake florist, has been appointed by Mayor Radcliffe as one of a committee of three to follow up the coal situation and see to it that needy families may be supplied in small quantities by the city when they cannot secure coal elsewhere.

Ilion, N. Y.—James Holden, who has conducted the West Hill greenhouse for the past 50 years, complains that his plants, flowers and shrubbery are freezing due to the inability to secure coal and as a last resort has written a personal appeal to State Fuel Administrator A. H. Wiggins.

Attleboro, Mass.—Attleboro was visited early on the morning of December 12, by one of the most serious fires known here in many years. The loss will reach \$500,000 and possibly more. Help was summoned from Providence, Pawtucket, Central Falls, North Attleboro, Taunton and Mansfield. Among the many firms completely burned out was E. E. King's flower store on Park street.

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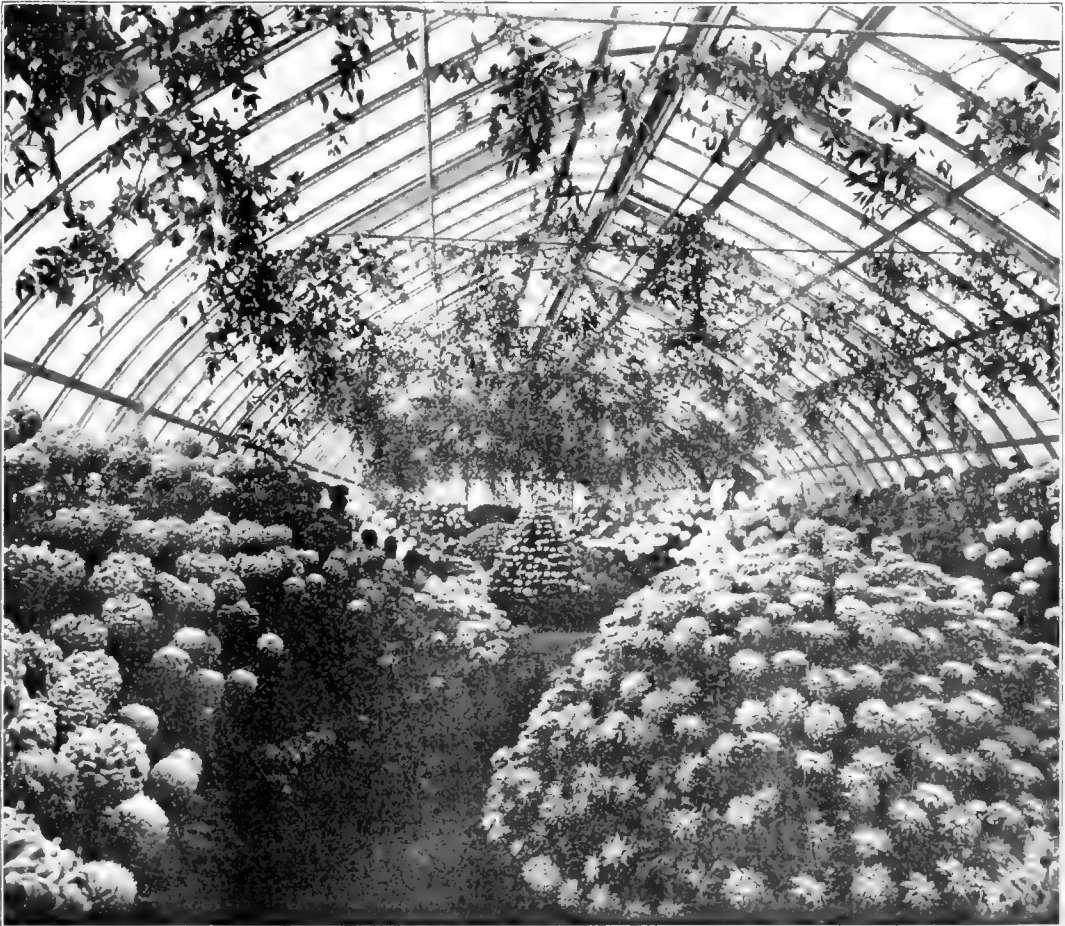
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Reference.....

STRONG LANGUAGE

On a visit the other day to a brother florist, I did not find him in and while making the round of the green-houses, I ran against a man, down on his knees in one of the wet walks. He was swearing fearfully about something or other. "What ails you, my friend," I said to him. "You count the mends in this hose and you'll see," said he. I counted and found nineteen in the 50-foot hose. He finished mending the 20th and turned on the water and promptly sprung another leak. I did not stop to investigate the new kinds of profanity which that man was then unreeling; I cleared out and ran up against the boss in the potting shed. "How much do you pay that man in there?" I asked him. "Three bones a day and glad to get him. He is not a florist, but he does quite well," said he.

"How is it that you do not give him a new hose and save a lot of that \$3 time; instead of letting him waste it on a rotten hose?" "Oh, I have a new hose in the office and am only waiting till the old one is played out," said he. "Good night," said I and made myself scarce.

Ever since that day, I have been thinking; how will this work out in the end? A \$3 man wasting his time on a rotten hose, while a new hose is on the place; coal double the price of a year ago and hard to get at that; everything else from 50 to 300% higher and the demand for and use of flowers reduced, while the price paid the grower for his flowers and plants, is not, at wholesale or retail, any more than a year ago but rather tending downward.

How will it work out with the little fellow, whose leeway, as far as money and credit is concerned, does not amount to $\frac{1}{4}$ inch? Something is bound to crack and no mistake about it. Will the little fellow have to disappear *nolens volens*, and will only the large concerns stay on deck? And these, for how long? Why is it, that in the growers' line we do find such slack business methods? Why are there so many of the growers who could not, for love or money, tell and prove how much it costs them to produce a rose, a carnation or any other of their flowers or plants? What show of an assured measure of success can a man have, if he is, by the conditions of the market, bound to sell his goods at a certain price and he not knowing for certain what price he must get, so as to be able to continue in his business? How many growers can tell at the end of the season how much they spent for coal, labor, etc., to produce one of their flowers or plants? Or how much the net profit has been per flower or plant.

I have tried to find out how many of my friends among the growers could tell me and I found not one who had it figured out. Only a few took the trouble to keep tab of varieties of flowers as to productiveness, etc., so as to have a basis in getting at tangible results and

then the thing had not been worked out so as to be of any use.

"I don't know how to go at it," "I have not the time," "I see no use in doing it," "I do not care one straw," etc.; such are the excuses. How would it work out in a dry goods store, drug store or any other store, if such answers were given or taken for granted? How would it work out in a factory or any other old place? Doing business on the plan of the average grower is not practised in these concerns, simply because it is not considered a good way of doing business and is known positively to work out the wrong way,—to tell the truth, known not to be "business" at all.

"Why! you are way behind with your disbudding, the way it looks," I had occasion to mention to a carnation man the other day. Now this man had a fine lot of plants in fine shape and has always been known to have his place up to the minute. "Yes! I know," said he, "but what can I do? My boss has told me to lay off my helper and let the disbudding go, so I had to do it, but how will it work out?"

"That boss of mine of course is not a grower himself, so he does not know any better than to try saving money in this way. A great scheme and a fine outlook for me, what? What would you call such a boss?" he said to me. "Don't ask me any foolish questions," I replied. He gave me one of those lingering looks when I walked away.

Maybe, and I sincerely hope, that it will be for the benefit of the real-to-goodness florists and growers to have a lot of these amateur growers and "butter in" getting it in the neck, good and plenty and hard enough to make them let go of a thing they know nothing about; a thing at which they have now no chance to succeed whatsoever. How much will the public be educated to a love for or appreciation of flowers by being offered undisbudded carnations?

This very same "smart aleck" of a fancy carnation grower or boss, also had the great idea that he could dispense with the night fireman, and he told his grower to bank the fire by 6 p. m. and it would be all right until 7 a. m. next day. How would that work out on some of these "blizzard 12 below zero" evenings? It would save coal, for one thing. There are certainly too many irresponsible, ignorant, careless and unbusinesslike men connected with the florists' industry; men that have been the bane of our business in a good many direct and indirect ways. These men will have very little or no show under the present conditions, unless they buckle down to real businesslike business, and even then their path to glory will be strewn with more thorns than roses. There is no question that the florist is "up against it" at the present time and with conditions tending towards becoming much worse before becoming better again. Every florist and grower will do well, in fact will be obliged, to consider hard and long how he may prevent disaster. If these conditions do force us to give up useless habits, needless expenses and foolish notions, we

may stand erect, tall, straight and stay in business, but we must surely try to find how to produce for less and how to sell for more money our products. It may be easy enough to drop useless habits, needless expenses and foolish notions, also to find out what things cost to produce them, but to sell at a profit or to find ways and means to do so, is a more serious matter.

Yet, in a way, this present time will very likely help us a lot in getting there. I mean that undoubtedly a number of irresponsible men will be forced out of business, at least for a time, and this will give the rest the chance to prove that, being better business men they are able to make a living even under adverse conditions. Of course we shall not stop disbudding, nor fire the fireman, as that mean boss advised his grower to do. No, we may even be more particular and pay more attention to those very two items, so that we may raise better plants and flowers, maybe decidedly less of them, so that the law of supply and demand may work out to our advantage.

There is a silver lining to the present cloud for those florists and growers who have the knowledge, courage and grit to do business in a *real* business way. Maybe the weeding-out process that is bound to occur, will be, for the florist business, not a setback at all—rather otherwise. Of course we shall all feel sorry for the unfortunates who will not be able to weather the storm, but the trend of the times and the march of progress have ever been forward and in business, as in any other affair it is only "the fittest that will survive." It is perhaps well that it should be so. Columns upon columns have been printed telling florists and growers how to get rid of the surplus of flowers at certain times, how

to educate the masses, so that they may buy those monstrous piles of chrysanthemums, roses, carnations, sweet peas, etc., that are dumped into the wholesale and retail markets. Not even by giving it away could the accumulation be gotten rid of at certain periods of the year, and yet, year after year, some of the same men waste time and money in raising new piles of the stuff which they must know cannot be sold even for what it has cost to raise it, much less sold at a profit. Is this doing business in a business way? Let those who do these stunts sit down and figure for just a little while and they will not repeat former mistakes, if they have brains. How can roses be sold on the street for 10c. per doz., carnations for 5c., etc., and the pedler making something at it too? Somebody certainly is getting nothing for something and it seems to be the florist every time. As far as five years ago, according to my figures, it cost a little over 2c. to produce one carnation on the average, with all the waste cut out and 13-14 flowers to the plant produced. Still, with the larger number of growers, carnations, on the average, would not sell for more than that for the year. Now, with the cost for everything doubled and trebled, it does not look as if the returns are going to be any more than ever. The outlook for those growers who cannot or will not figure correctly can be neither pleasant nor in doubt.

Sure, better times are bound to come again, but not to the man who will not mend his ways now.

Gustav Thommen.

Reading, Mass.

LOYALTY

Extract from the Address of President Thomas W. Head Before the National Association of Gardeners.

There is one thing at this time that I think can be impressed on us all in connection with this body of workers and that is, "Loyalty." This goes a long way to make our goal and I think if we take this word and act up to its meaning to the letter, we will find our position improving quicker than we expected. The average gardener is a good fellow, he is amongst Nature's own surroundings so much that he gets that intuition of "Loyalty" by watching how loyal his plants are to him and by even the slightest kindness or work bestowed on them, he is doubly repaid and yet by neglect how soon these same plants resent the treatment. Nature helps us a great deal, but Nature also handicaps a great deal in diseases, fungus, storms, etc., and here is where our loyalty to our plants and plant life comes in last, but not least is the loyalty due our employer and his loyalty to us, for as you all know a gardener's work is never done and his plants must have his consideration night and day, week in and week out, Sundays and holidays, yet we must not forget that it is up to us to keep at it and be loyal to our trust and our reward is bound to come. There are plenty of good

employers who are quick enough to recognize a man's loyalty to him and if you find your services are not adequately compensated, look further, but be quite sure you are doing what is right by your employer before you make the move.

LILY OF THE VALLEY.

Beds of lily of the valley become crowded after a few years, and unless the crowns are replanted they become weak and fail to flower. Trench the ground and mix with it a liberal amount of decayed manure, leaf-mould, and if the soil is of a heavy, retentive nature, a quantity of old potting soil or sand. Lift the crowns carefully and select the finest for pot culture or for planting in special beds. Plant the crowns in rows made 12 inches asunder, and allow a space of 6 inches between the crowns. Small crowns planted in reserve beds will make good plants, suitable for putting into permanent quarters next year. Give the beds that were planted last year a light top-dressing of decayed manure and leaf-mould, after all weeds and rubbish have been removed. —*The Garden*, London.

WINTER COURSES AT OHIO STATE UNIVERSITY.

Winter courses in agriculture including instruction in many of the branches of farming will be opened at the College of Agriculture, Ohio State University, Columbus, on January 7; they will continue through eight weeks, closing on March 1. The minimum age limit for entering the farm courses is 17; however, in view of the present necessity for the production of more food, provisions will be made for instructing farm men over draft age as well as any subject to draft. No previous high school or college training will be required for entrance.

Two courses will be offered in dairying, one dealing with farm dairying and advanced register work and the other with dairy manufacturing, such as cheese, butter and ice cream making. Four weeks will be given to each course. Those who complete the dairy courses may qualify to become testers for local cow testing associations.

Forty special lectures have been provided in addition to the courses in animal husbandry, farm crops, farm management, soil fertility, agricultural engineering, horticulture, vegetable gardening and poultry husbandry. Full information may be secured by writing to The College of Agriculture, Columbus, Ohio.

IN BEHALF OF FLOWERS

The following letter from Wallace R. Pierson appeared in the Hartford Courant last week:

The attention of the writer has been drawn to a recent speech delivered in Hartford, in which the speaker chose for the subject of his remarks the apparent waste in certain lines by the citizens of our own good state, and saw fit to set forth in his remarks that coal used for greenhouse purposes is wasted and is a loss to the nation. "The idea of giving an orchid to a lady in war times!" or something to that effect, leads one to wonder if the speaker ever stooped to pick the first dandelion of spring or knows a bank where arbutus may be found, for the remark is not compatible with such a man, in my opinion. There is something lacking. It may be a love of nature or an entire lack of sense of the beautiful. "And to think they burn coal to keep such trifles warm!"

The figures quoted were incorrect, but that doesn't affect the issue. He undoubtedly did not realize that his remarks were a direct attack, not upon an individual, but upon an industry that amounted last season in the United States to \$100,000,000 and upon which thousands depend for their livelihood. He did not realize that one night without coal at this season means ruin not only for the present but for the future, because the tender plants gathered together in greenhouses cannot be replaced and would be a total loss to the world.

The injustice of that statement is apparent to all sound-thinking persons. On Tuesday of last week in Washington I listened to Mr. Snead, who is in active charge of coal distribution in the United States, and also to Mr. Noyes, who is in charge of fuel conservation. I should like to place before your readers the remarks of these gentlemen who represent the

government and whose message to the florists of America is the message of a government to its people. These are men whose word can be accepted as conveying judgments that are based on facts and common sense. I quote Mr. Snead as correctly as to wording as memory will permit and absolutely correct as to fact and intent.

"This government realizes that every industry which is and has been considered legitimate and which has been considered an asset to the nation, must survive this war to make places for those who will return to industry from the front and from the munition plants at the close of the war. We do not recognize the term 'non-essential' for we realize that for the best welfare of the country your industry and other industries not directly connected with the manufacture of munitions are necessary and essential. It is your duty to so conduct your business that at the end of the war you will be in a position to absorb and use a large portion of the labor that will be released. There is no intention on the part of the government to injure your industry or to interfere with it. We suggest that all available space be used for food crops and that your industry takes upon itself the duty of seeing that vegetable plants are produced in sufficient quantity to stock the gardens of the nation."

Mr. Noyes, in addressing the gathering of florists, stated that there must be saved in this country 50,000,000 tons of coal and that this amount must be saved without the ruination of any industry. "Burn less coal but save your crops and your business for they are needed by the nation. The priority list must be taken care of first but there is coal enough to care for other industries if care is used in consumption and the proper distribution is effected."

Flowers are a necessity to a people. There is a limit to human strength and endurance, and the relaxation which comes to the mind by having flowers in the home, garden or hospital is a thing of reality to those who know and love flowers. Here in America we are not yet fully acquainted with casualty lists and when they come, as we fear they will, flowers will express to the mother what words cannot express. "How France Honors Her Dead" was the title of a picture of a French war-grave published in the Red Cross Magazine, and the mass of flowers told the story that flowers carry the last message to those who have gone beyond. My mail today brought me a letter from a French florist telling of the shortage of rose plants in France, due not to the war causing less production but because the war is making roses a necessity to those who sorrow. The record of flowers in America is such that no man should question it.

The florists of America point with pride to their boys in the army and navy. Over half a hundred have gone out from Cromwell and among them four commissioned officers who grew flowers and who may again grow flowers if the fates are kind. We are also proud of the fact that \$27,000 was raised for the Red Cross by the New York Flower Shows and that donations to the Red Cross have been made by the florists' clubs of America. We believe that just as France, the great flower-loving nation, has saved the soul of Europe, so the love of nature and all that is good and beautiful in the world and the love of right and justice will save the American people from hysteria and from themselves.

Be saving, be honest, be natural and be just, and your part toward the glorious end will be accomplished.

W. R. PIERSON.

S. A. F. PUBLICITY CAMPAIGN

Chairman George Asmus of the Finance Committee reports the following additional subscriptions:

By Chicago Committees—L. Stapp Co., Rock Island, Ill., \$10.00; Zeeb & Mann, Chicago, Ill., \$25.00; Arthur Elchel, Chicago, Ill., \$10.00; Crawford Floral Co., Chicago, Ill., \$10.00; Montrose Floral Co., Chicago, Ill., \$10.00; Henry F. Luedke, Chicago, Ill., \$15.00; Frank Oechslein, Chicago, Ill., \$100.00; D. F. Hawkes, Wheaton, Ill., \$10.00; Schafer Floral Co., Kankakee, Ill., \$30.00; Fischer Bros., Evanston, Ill., \$25.00; R. E. Bohlender, Melrose Park, Ill., \$10.00; Stielow Bros., Niles Center, Ill., \$100.00; Schiller, Chicago, Ill., \$100.00; Walter Burhop, Maywood, Ill., \$10.00; Hugo Luedtke, Maywood, Ill., \$2.00; Wm. Wichtendahl, Maywood, Ill., \$5.00; Hauserman & Heitman, Melrose Park, Ill., \$10.00; George W. Jacobs, Canton, Ill., \$10.00. Annually for four years.

Chicago Carnation Co., Joliet, Ill., \$100.00; Chris Bond, Naperville, Ill., \$20.00; Jensen Bros., Chicago, Ill., \$5.00; Theo. Wolniwicz, Chicago, Ill., \$10.00; Fred Krell, Chicago, Ill., \$15.00; Thos. Krowka, Chicago, Ill., \$15.00; Peter Pearson, Chicago, Ill., \$15.00; Stollery Bros., Chicago, Ill., \$25.00; Damm Bros., Chicago, Ill., \$25.00; Henry E. Youngquist, Chicago, Ill., \$45.00; Geo. Wittbold Co., Chicago, Ill., \$50.00; Joseph Kohout, Libertyville, Ill., \$35.00; A. Lange, Chicago, Ill., \$100.00; O. J. Friedman, Chicago, Ill., \$100.00; Kroeschell Bros. Co., Chicago, Ill., \$100.00; E. C. Amling, Maywood, Ill., \$25.00; Henry Hart, Chicago, Ill., \$2.00; C. Frauenfelder, Chicago, Ill., \$100.00; J. C. Moninger Co., Chicago, Ill., \$100.00; National Galvanizing Co., Chicago, Ill., \$10.00; Kirscht Bros., Morton Grove, Ill., \$10.00; A. F. Amling Co., Maywood, Ill., \$200.00; Lord & Burnham Co., Chicago, Ill., \$100.00; W. H. Amling, Maywood, Ill., \$15.00; Walter Amling, Maywood, Ill.,

\$10.00; United States Gauge Co., Chicago, Ill., \$5.00. For one year.

Robert Hardies, Melrose Park, Ill., \$5.00. For two years.

Ickes Braun Mill Co., Chicago, Ill., \$25.00. For ½ year.

By Lon Foster—Furrow & Co., Oklahoma City, Okla., \$25.00; Boston's Flower Store, Tulsa, Okla., \$5.00; Muskogee Carnation Co., Muskogee, Okla., \$5.00.

By J. W. Ludwig—McCallum Co., Pittsburgh, Pa., \$50.00; Pittsburgh Cut Flower Co., Pittsburgh, Pa., \$50.00.

By Florists' Telegraph Delivery Association—Cohen & Hiller, Inc., New York (second subscription), \$50.00; Geo. J. Starr, Wilson, N. C., \$10.00. Annually for four years.

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JOHN YOUNG, Secy.

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made to unjustly injure their business. Everyone connected with the florist business should be ready equipped with effective arguments with which to defend his calling when it is assailed and prepared to make use of them promptly and vigorously.

Efficiency under difficulties

The transportation troubles which have so severely tried and disheartened the florist trade of late appear to have not been entirely barren of advantage, for it has been noted that shipping orders this year have been placed uncommonly well in advance and other precautions against disappointment in the timely receipt of shipments have been taken by both buyers and shippers with the result that the business appears to have been expedited, and with much less cause for complaint than was anticipated. The vigorous action and widespread protest on the part of the flower and plant people no doubt made a beneficial impression on the express companies who, it appears, made every possible effort, often against heavy odds, to assist the florists and to expedite their holiday business. For all this service the express people are certainly entitled to the gratitude of the trade and we should be duly appreciative.

The labor scarcity

The florist business has contributed its proportionate quota to the ranks of the country's defenders and there is consequently a much reduced supply of competent help, especially in the greenhouse industries, which condition has been aggravated in the suburban districts by the great redirection of labor and capital in the centres of business activity. Skilled workers, of good habits and dependable, are not easily secured now and when the spring time arrives the embarrassment will undoubtedly become much more unmanageable unless a change more radical than we now have reason to look for comes over the situation in the meantime and brings unexpected relief. Of course, the agricultural needs in this respect will have the closest attention of the national food production and conservation forces, who will naturally push the redirection of labor and capital into vital industries, with little consideration for nonessentials. The problem promises to be a particularly acute one for the nursery interests which even in normal times have always experienced much difficulty in securing adequate help in the busy spring season.

This is HORTICULTURE's final issue for the memorable year 1917 and we here say our closing words for Volume XXVI.

Valedictory

It has been an epochal period for us all, one that will stand out vividly in the memory of everyone who has lived it through and tasted its sorrows and its joys—for surely there have been some joys to counterbalance the woes that none of us can escape in such times of universal turmoil and fury. "To be resigned when ills betide" is the part of wisdom and this is something which, if not inborn, seems well ingrafted in the mental make up of the majority of the florists whom it has been our privilege to meet. So let us go on our way, forgetting as far as we can the untoward experiences and adversities which the year has brought to us, one and all, and carry with us into the new year which lies before us sweet memories ever fresh and green of the many bright spots that have illumined our paths and the kind, loving friends whose companionship makes life worth the living. *Vale.*

Good ammunition

We bespeak a careful reading for the communication by Wallace R. Pierson which we reprint in full from the Hartford Courant in this issue. We regard it as one of the best presentations of the florists' place in the community and in business life that has been written. It is a straight-from-the-shoulder, yet moderate and dignified reply to those unthinking, selfish people who attack with ridicule and abuse, a business which has well earned its right to exist and follow its peaceful course as a worthy avocation. Our readers can get much out of Mr. Pierson's plea which they can and should use freely whenever and wherever any attempt is

CLUBS AND SOCIETIES

AMERICAN SWEET PEA SOCIETY.

The W. T. Hutchins Memorial.

Dear Mr. Editor:

The American Sweet Pea Society, realizing the great impetus given to the culture of Sweet Peas in America by the late Rev. W. T. Hutchins, have issued the undernoted call to all sweet pea lovers and horticulturists generally. Our object is to raise sufficient funds to purchase a loving cup, value \$250, the cup to be competed for annually at our exhibitions, never to be won outright.

The following contributions have already been promised:

Mrs. Sykes, \$25; Peter Henderson & Co., \$25; Stumpp & Walter Co., \$10; Stecher Lithograph Co., \$25; W. Atlee Burpee Co., \$25; Henry F. Mitchell Co., \$5; L. D. Waller Seed Co., \$5; Fottler, Flske, Rawson Co., \$5; Frank G. Cuthbertson, \$5; Florists' Exchange, \$5.00.

Further contributions will be appreciated and acknowledged by the undersigned.

"The Sweet Pea has a keel that was meant to seek all shores;

It has wings that were meant to fly across all continents;

It has a standard that is friendly to all nations;

And it has a fragrance like the universal Gospel.

Yea, a sweet prophecy of welcome everywhere

That has been abundantly fulfilled."

If for no other reason than the creation of the above immortal lines the name of the late Rev. W. T. Hutchins will live for all time among sweet pea enthusiasts. They were embodied in his address at the Sweet Pea Bicentenary celebration held in London in 1900, and have been quoted times out of number since then.

It is doubtful if anyone in this country did as much to popularize the sweet pea, Mr. Hutchins recognizing the great value of this beautiful annual about the time that the first Eckford varieties were introduced. By his interesting articles on the Sweet Pea which appeared in many of our magazines, he quickly brought hosts of friends to the shrine of our fragrant flower.

The executive committee of the American Sweet Pea Society therefore think it fitting that the name of Mr. Hutchins should be kept green among our members, and with that end in view we are anxious to raise sufficient funds to purchase a large silver cup to be competed for annually at our exhibitions, the trophy to be called the W. T. Hutchins Memorial Cup. May I call upon you to assist this most worthy object? GEORGE W. KERR.

President American Sweet Pea Society.
Doylestown, Penna.

PENNSYLVANIA HORTICULTURAL SOCIETY.

At the annual meeting of this society, held at Griffith Hall, 1420 Chestnut street, Philadelphia, on December 18th, the following officers were elected for 1918:

President, C. Hartman Kuhn; Vice-

Meetings Next Week

Tuesday Jan. 1.

Florists' and Gardeners' Club of Holyoke and Northampton, Mass.
Lake Geneva Gardeners' and Foremen's Association, Horticultural Hall, Lake Geneva, Wis.
Los Angeles County Horticultural Society, Los Angeles, Cal.
Paterson Floricultural Society, Y. M. C. A. Bldg., Paterson, N. J.
Florists' Club of Philadelphia, Philadelphia, Pa.
Pittsburgh Florists' and Gardeners' Club Fort Pitt Hotel, Pittsburgh, Pa.

Wednesday, Jan. 2.

Tuxedo Horticultural Society, Tuxedo Park, N. Y.

Thursday, Jan. 3.

Albany Florists' Club, Albany, N. Y.
Reading (Pa.) Florists' Association, Reading, Pa.
Southampton Horticultural Society, Odd Fellows Hall, Southampton, N. Y.

Friday, Jan. 4.

North Shore Horticultural Society, Manchester, Mass.
North Shore Horticultural Society, Lake Forest, Ill.
Pasadena Horticultural Society, Pasadena, Cal.
People's Park Cottage Gardeners' Association, Paterson, N. J.
Yonkers Horticultural Society, Yonkers, N. Y.

Saturday, Jan. 5.

Pacific Coast Horticultural Society, San Francisco, Cal.

Presidents, Dr. Robert Huey, Henry F. Mitchell, Robert Craig, William Kleinheinz; Treasurer, S. W. Keith; secretary, David Rust; Professor of Botany, Stewardson Brown; Professor of Horticultural Chemistry, Dr. John Marshall; Professor of Entomology, Dr. Henry Skinner; Professor of Biology, Dr. Ida A. Keller; Executive Council, John W. Pepper, Edward A. Schmidt, H. A. Poth, J. Otto Thilow, Thomas W. Logan, James Boyd, C. F. C. Stout.

DAVID RUST, Secy.

CONNECTICUT HORTICULTURAL SOCIETY.

The annual meeting of this society was held recently in the County Building, Hartford, President G. H. Hollister, presiding. The following officers for the year 1918 were elected: President, G. H. Hollister; first-vice-president, S. H. Deming; 2nd vice-president, Howard Semf, New Britain; 3rd vice-president, Oscar Gritzmacher, New Britain; treasurer, W. W. Hunt; secretary, Alfred Dixon; librarian, Wm. T. Hall; botanist, John Willard; pomologist, C. H. Sierman.

Alex Cumming, Jr., rose expert at the Cromwell Gardens, reported that the rose growers were responding in fine shape to the call for roses for the beds in the rose gardens at Elizabeth Park, where the American Rose Society will hold its annual convention next year. The roses will be maintained by the growers for two years, after which time they will be turned over to the Park Commissioners for whatever disposition they may decide upon.

ALFRED DIXON, Secy.
Weathersfield.

WESTCHESTER AND FAIRFIELD HORTICULTURAL SOCIETY.

The regular monthly meeting of this society was held in Hubbard's Hall, Greenwich, Conn., on Friday evening, Dec. 14th. It was unfortunate that it was such a stormy night as it was election night, and this affected the attendance some. The exhibition tables were rather light. James Stuart got the monthly prize for an orchid plant and Thos. Aitchison for vase of carnations. The new officers are: President, P. W. Popp, Mamaroneck; vice-president, James Linaie, Rye; secretary, J. B. McArdle, Greenwich; treasurer, Robt. Williamson, Greenwich; cor. secretary, John Conroy, Greenwich. The new members of the executive committee are James Tough and Thomas Aitchison of Mamaroneck and John Orr of Rye.

The new president is well known in horticultural circles and his officers are all "live wires" so we are sure to have another successful year. Mr. Whitton, the retiring president, has been a very popular official, as he has not been absent one meeting since he took office. We are sorry to report that our secretary, Mr. McArdle has to go south for his health and I am sure it is the wish of the members that he will come back in a short time renewed in health.

ALEX. CLARKSON.

GIFT TO MR. AND MRS. R. VINCENT, JR.

The officers of the American Dahlia Society sent the following communication to Mr. and Mrs. Richard Vincent, Jr., on the occasion of their golden wedding, Dec. 26, 1917:

Dear Mr. and Mrs. Vincent:

We, the officers of the American Dahlia Society, count it a privilege to be allowed to join in the salutations that greet you on this morning of the fiftieth anniversary of your married life.

We feel honored to have you, Mr. Vincent, as president of the American Dahlia Society, a society which you were instrumental in calling into existence.

To mark this solemn, happy and unique occasion in your own and Mrs. Vincent's life, and as a small, but permanent testimonial, we send you this gold crumpet dish, and with it our united hope and wishes for the continuance of that blessing on your lives that has been, in such large measure, vouchsafed in the fifty years that are passed.

Signed on behalf of the whole body of officers.

J. HARRISON DICK, Secy.

The Southampton (N. Y.) Horticultural Society has decided not to hold its annual banquet this year. The annual meeting will be held in Odd Fellows Hall, on January 3, and subjects announced for competition are: "The best six vegetables," "best flowering plant" and "best foliage plant."

Obituary

Samuel Burns.

Samuel Burns, a resident of Jersey City, N. J., for the past twenty-six years, passed into rest on Thursday morning, December 20th, after an illness of several months.

Mr. Burns was born in Stockport, England, September 26th 1849 and came to this country at the age of nineteen years. He at that time entered the employ of the late Thos. W. Weathered one of the early pioneers in the greenhouse heating business. In 1891 the firm of Thos. W. Weathered's Sons was formed with Mr. Burns in the capacity of vice-president which position he held until the firm dissolved. For the past two years he has been connected with the William H. Lutton Company of Jersey City, N. J., Horticultural Builders.

Sam Burns was known by almost every florist and private gardener throughout the United States and was considered as one of the greatest experts on greenhouse heating. He was an affable gentleman always, of kindly heart, conscientious and loyal and of the highest integrity. He had friends everywhere and well merited the affectionate esteem in which he was held. He leaves a widow and three sons, to whom we extend sincere sympathy in their great bereavement.

B. Franklin Allen.

B. Franklin Allen, president of the Allen Nursery Company, died on Wednesday, Dec. 19, 1917, at the family home, 18 Sumner park, Rochester, N. Y. About twenty-five years ago he came to Rochester and became associated with the Hawk Nursery Co., which was later purchased by him and run under his own name. Thirty-three years ago he married Miss Jessie Sanborn, of Saginaw, Mich., whom he leaves, with two sons, Malcolm A. and Percy I. Allen, both of Rochester. The funeral was held from his home and interment made at Riverside Cemetery on Friday, Dec. 21. Many beautiful floral tributes were sent from his many friends in the trade. H. B. E.

W. L. Trumpore

William L. Trumpore, buyer for many years in the New York flower market for J. H. Small & Sons, residing in Staten Island, died on Friday, December 21 in Jersey City, while on a visit there. He was a noted artist in floral decorations, and had done work of the most ambitious kind in New York and Washington, including floral work at the White House. He had been suffering from an internal trouble for some time. His age was fifty years. He leaves one son. Mr. Trumpore was of a vivacious and congenial temperament and when in good health full of spirit and a lively and cheery companion. He will be greatly missed and sincerely mourned in the flower district of New York.

Lieutenant W. V. R. Sutton.

Lieutenant William V. R. Sutton, aged twenty, fourth son of Mr. Leonard Sutton, of Hillside, Reading, was killed in action on November 13 in Palestine. He was educated at St. Andrews, Southborough, and Repton. On leaving school at the age of seventeen he went to Canada to join his uncle, who was farming in Saskatchewan. He joined his regiment in Egypt in October, 1916, and was promoted lieutenant last month. Mr. Sutton has three other sons still serving. His second son, Lieutenant E. G. Sutton, M. C. (Royal Sussex Regiment), was killed in action in France in April, 1916. The deepest sympathy is felt with Mr. Leonard Sutton in his heavy loss.—*The Garden*, London.

Mrs. Murray.

A telegram from Kansas City, Mo., tells us briefly of the passing away of



SAMUEL BURNS.

the mother of Samuel Murray on Wednesday morning, December 26, at the ripe age of eighty-two years. Our sympathy goes out to Mr. Murray in this irreparable affliction but he has been singularly blessed in having the dear old lady spared to him for so many years. Only a few of us are so mercifully favored.

August F. Schrader.

August F. Schrader, a well-known grower for the wholesale flower market died at his home in Elmhurst, Long Island, N. Y., on Christmas day, aged 74 years. Funeral services were held on Thursday at the home of his son Gustave C. C. Schrader, Queens Boulevard.

Adam Shreiner.

Adam Shreiner, retired nurseryman and father of Superintendent of Public Grounds G. A. Shreiner, died at Harrisburg, Pa., on December 15, aged 73.

EFFECTIVE CHRISTMAS FLOWER PUBLICITY.

The following communication widely circulated among the florists of New England before Christmas speaks for itself:

"With a Gift of Flowers at Christmas."

Had I the purse of wealth untold, I
fain would seek
The world's most skillful artisans and
bid them shape,
With jewels and metals fine, some
rich designs;
It would be thine.

Had I the wit to write a sonnet pass-
ing fair,
And verse it all in terms of graceful,
flowing rhyme,
Words only for your sight; and thus
invite
Your heart's delight.

Had I the skill to music rare compose,
A song that birds would envy as they
stayed their flight,
The notes all true and clear, none
else might hear;
For but your ear.

However, lacking wealth to purchase
rarest gift,
And wit to write or skill to sing; I
send
The gift of nature's lavish dower,
from fairy bowers;
These wondrous flowers.

And even had I wealth, and wit and
skill with muse,
And even could I well bestow all
magic three,
Still would I deem them scant to
mete, all incomplete,
And send as well these Yuletide
blossoms sweet.
Ben Stevens.

All rights waived. Full permission to re-print given.

The above little poem has just come to my notice and conveys the idea of flowers as a Christmas gift as well as anything I ever remember having read.

I believe the idea expressed in this poem is worth widest possible publicity just now, and I am going before a million or more newspaper readers in Boston and New England between now and Christmas.

Will you go to one of your leading papers, perhaps the one you are best acquainted with or place most of your advertising in, and request them to print it in their columns before Christmas? It should appear several days before to get the most influence from it. Many papers run matter of this kind on their editorial or household pages, or as a daily feature, and should be perfectly willing to print it on its merits alone.

Kindly DO THIS NOW as a part of our nation-wide campaign on floral publicity. I am asking you to put this little stunt across for our mutual benefit. Every little push will help this Christmas, when we all need it. There is a decided bit of sentiment in the above lines, very gracefully expressed and subtly, yet plainly, suggesting "give flowers."

HENRY PENN.

Chairman National Publicity Committee.

P. S.—Kindly be sure and send me copy of paper or clipping giving name of paper it appears in, or write me about it. I thank you.

TRADE ACCEPTANCES.

The following communication from A. H. Hews & Co., Inc., flower pot manufacturers, of Cambridge, Mass., further explains the advantages of the new system of Trade Acceptances as a substitute for the old-fashioned book-account system in business.

Trade conditions of the commercial florist in many cases necessarily demands long credit privileges and attention is called to the use of Trade Acceptances now being universally adopted. The buyer is requested by the seller to give a Trade Acceptance for payment of merchandise invoices thereby co-operating with the desires of the U. S. Treasury Department, the Federal Reserve Banks and the National Credit Men's Association towards strengthening the general financial situation of the country especially during present abnormal trade conditions. During a recent year in France there were three billion dollars in small Trade Acceptances negotiated. England and Canada are doing practically their entire business by interchange of Trade Acceptance paper.

Trade Acceptances are given by the buyer when not in position to take advantage of cash discounts offered, thereby gaining necessary time for payments without injuring his credit by postponing payments of open accounts.

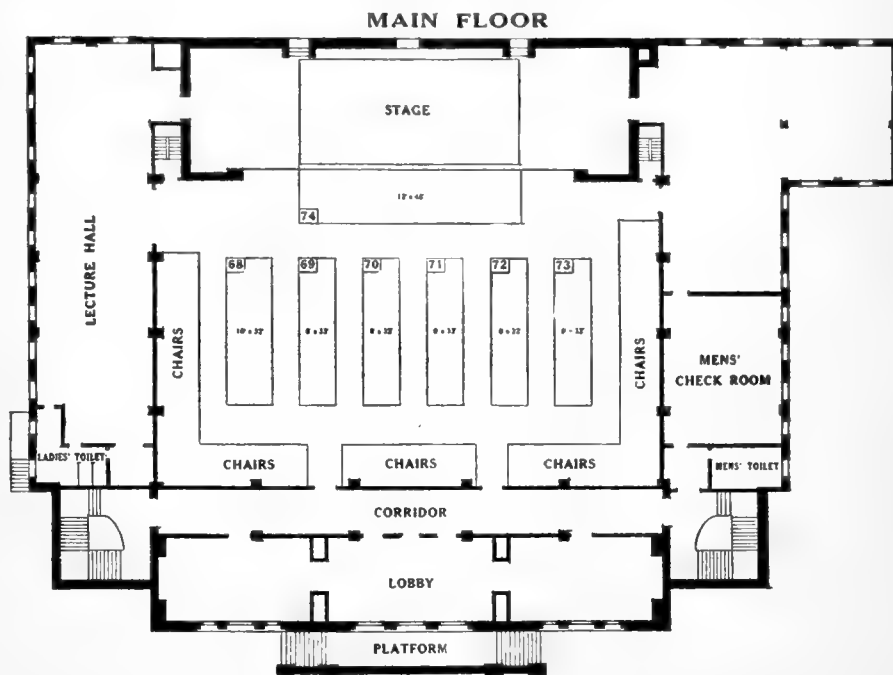
Paying a Trade Acceptance when due strengthens credit of the buyer with his bank. It is not a payment for an overdue account, it is meeting an obligation on time according to terms of sale.

A Trade Acceptance is simply a signed acknowledgment of a specified debt representing a merchandise purchase. Invoices are receipted when a Trade Acceptance is received by the seller.

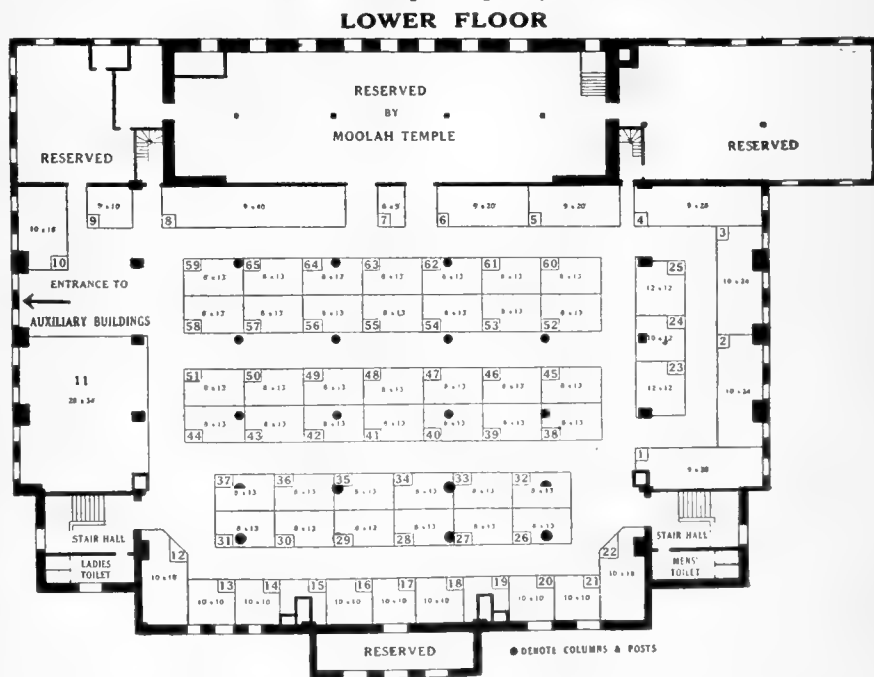
Citing the purchase of flower pots by the commercial florist it is well known that the period necessary to grow potted plants for the market in some cases is of great length, and value of the pots purchased is not returnable to the grower until he sells his plants.

A. H. Hews & Co., Inc., recognize this trade condition and have come into line and adopted the practice of requesting Trade Acceptances for payments of invoices.

GROUND FLOOR PLANS OF THE 1918 NATIONAL FLOWER SHOW, MOOLAH TEMPLE, ST. LOUIS, MO.



The National Flower Show Committee reserves the right to change these plans in any respect if found to be necessary



VISITORS' REGISTER.

Boston—C. E. Wildon Amherst, Mass.

New York—J. C. Vaughan, Chicago.

Montreal, Can.—Julius Heurlin, Blue Hill Nurseries, So. Braintree, Mass.

Philadelphia — J. B. Deamud, Vaughan's Seed Store, New York; C. E. Smith, York, Pa.; H. A. Shroyer, Lancaster, Pa.

Chicago—B. Katzwinkel Mendota, Ill.; Frank Gorly, St. Louis, Mo.; Henry Kusik, Kansas City, Mo.; Philip J. Breitmeyer, Detroit, Mich.; Edw. Amerpohl, Janesville, Wis.; Walter G. Taepke and H. Rodgers, with Gust H. Taepke Co., Detroit, Mich.; Miss Sarah Schulkin, buyer for the Todd-

Becker Co., Sioux City, Iowa; Clarence Watson, of the Leo Niessen Co., Phila.; E. H. Mazer, Minneapolis, Minn.; S. S. Skidelsky, Phila.; T. Heaven, Benton Harbor, Mich.; A. E. Turner, Mosinee, Wis.; G. E. Valker, Minot, N. D.; A. Bauscher, Freeport, Ill.; R. Zetlitz, Lima, Ohio; T. H. Joy, Nashville, Tenn.

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FALL SHIPMENT

Giganteum, Formosum, Rubrum, Multiflorum, Magnificum, Auratum, Album, Melpomene, Etc.

Shipments distributed from New York, Chicago, Philadelphia, Denver, London (Ont).

Write for IMPORT prices, stating quantity, variety and size.

McHUTCHISON & CO., The Import House
95 CHAMBERS ST., NEW YORK

VIBURNUM PLICATUM

Also Berberis Thunbergii, Hydrangea paniculata, Weigela, Spiraea, etc.

Ask for complete list of OAK BRAND SHRUBS.

The CONARD & JONES CO. WEST GROVE PENN., U.S.A.

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Antoine Wintner, Vice-Pres.

SEED TRADE

AMERICAN SEED TRADE ASSOCIATION

Officers—President, F. W. Bolgiano, Washington, D. C.; First Vice-President, Wm. C. Scarlett, Baltimore, Md.; Second Vice-President, David Burpee, Philadelphia, Pa.; Secretary-Treasurer, C. E. Hendel, Cleveland, O.

Spinach Seed in Europe

Netherlands. According to official statistics, 1,070 hectares (10,057 acres) were utilized for the raising of seeds in the Netherlands in 1916, of which 1,012 hectares (2,501 acres) were devoted to spinach seed. No statistics as to the area utilized for seeds are available for 1917, but it is presumed that it is practically the same as in 1916. Although no exact statistics are available giving the production of spinach seed (round) in the Netherlands for 1917, the "Zaad Centrale" (Seed Bureau) at The Hague estimates that it will amount to at least 1,000,000 kilos (2,204,600 pounds), which is considerably in excess of 1916. Of last year's production 235,194 kilos (518,509 pounds) were exported to the United States, but, as the Dutch government has since placed an embargo on spinach seed, the prospects for the export of any of the current crop are not very bright. Producers, however, are in hopes of obtaining export licenses later on.

Switzerland. According to reports received from reliable expert sources, the production of spinach seed in Switzerland is comparatively very limited, and this country has heretofore been dependent chiefly upon import for its requirements in this line. The Swiss federal seed experiment station at Oerlikon has reported that an estimate of the production of spinach seed in Switzerland is difficult owing to the fact that there are no statistics covering the cultivation of spinach, and that, therefore, there is no way of estimating what the Swiss requirements of spinach seed are. The production in any event is exceptionally small, and in the Swiss seed market the observation has been made that while occasionally certain Swiss seeds, as beans, beet root (mangold) and certain other vegetable varieties, are offered for sale, there has never been any spinach seed offered. On the occasion of the vegetable seed award of the present year there was not a single spinach-seed variety from the German applied to their own use. The entire part of Switzerland offered for exhibition. It is, however, possible that occasionally in the gardens in rural districts some spinach seed is produced, but this is never offered for sale, but production in the German part of Switzerland is estimated at a few hundred-weight, while in the French part of Switzerland it is pos-

GLADIOLI—Immediate Shipment

PANAMA, top roots,	Per 100	Per 1000
AMERICA, " "	\$5.00	\$45.00
	3.00	25.00

Write for Prices on Other Varieties

FREESIA Purity, \$10.00 per 1000

Arthur T. Boddington Company, Inc.

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"Seeds with a Lineage" All Varieties
Thoroughly tested at our trial grounds, Raynes
Park, London, England. Send for Catalogue
CARTERS TESTED SEEDS, Inc., 166 Chamber of
 Commerce Bldg., Boston, Mass.

CATALOGUES RECEIVED.

Bulk & Co., Boskoop, Holland.—Trade Catalogue of Select Hardy Rhododendrons and Hardy Fancy Evergreens.

Henry F. Michell Co., Philadelphia, Pa.—Wholesale Catalogue and Order Sheet for New Crop Flower Seeds. Also Plants and Roots for Florists. Illustrated.

John Lewis Childs, Inc., Flowerfield, N. Y.—Trade Catalogue of Choice Gladioli and other Summer Flowering Bulbs and Plants for season of 1917-1918. Illustrated.

It is stated that in view of the very limited crop in prospect for 1917, no exports of red clover seed will be made this season from the La Rochelle district of France.

MICHELL'S New Crop FLOWER SEEDS

FOR FLORISTS

WHOLESALE PRICE LIST

It is a complete list of Seasonable Bulbs, Plant Specialties and Sundries. Send for a copy today.

HENRY F. MICHELL CO.

518 Market St., PHILA., PA.

NEWS NOTES.

Worcester, Mass.—Harold J. Neale, superintendent of parks, has resigned to accept the position of superintendent of Audubon Park, New Orleans.

Berlin, N. J.—L. K. Peacock left last week for Florida where he will be engaged this winter in growing dahlias. He will return to Berlin in time to plant dahlias for next season.

READY NOW

Keystone Snapdragon Seed. Winter Blooming. \$1.00 per pkt., 6 pkts for \$5.00.

Pansy Seed. Finest Florists' Mixture. \$3.00 per ounce.

Mignonette. Giant Greenhouse Grown. \$8.00 per ounce.

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BULBS

Per 1000

First Size Named Hyacinths,
single and double, all colors, \$25.00
Single Early Tulips, mixed
and separate colors..... 5.00
Narcissus of various varieties... 5.00
Mixed Darwin Tulips..... 6.00
Mixed Crocus 2.00

LET US KNOW YOUR WANTS

J. M. THORBURN & CO.

Established 1802.

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SPECIALIZE IN

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WHOLESALE ONLYWrite for Special Prices, Spot or
Forward

Only Address, LANGPORT, Eng.

Paper White Narcissus
Lilium Candidum
Amaryllis, Callas
Cold Storage Lilies

Write us for price

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ROMAN J. IRWIN

108 West 28th St., NEW YORK

CHOICE FLORISTS' FLOWER SEEDSAsparagus Plumosus Nanus—1000 seeds,
\$3.50; 5000 Seeds, \$15.00.

Asparagus Sprengeri—1000 Seeds, \$1.00.

Salvia Bonfire— $\frac{1}{4}$ oz., 50c.; 1 oz., \$2.00.Salvia Zurich— $\frac{1}{4}$ oz., 75c.; 1 oz., \$4.00.

Stocks Beauty of Nice, 75% Double Flowers

—Shell Pink, Bright Pink, Purple, White

—Tr. Pkt., \$1.00; $\frac{1}{4}$ oz., \$2.00; 1 oz., \$5.00.

Snapdragon, Petunias, Verbenas, etc.

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J. BOLGIANO & SONCareful Seed Growers For
99 YearsSend for Our 1917 Wholesale Prices
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SPECIAL OFFER**NARCISSUS PAPER WHITE GRANDIFLORA**

13 to 15 cts. 1250 to case.....\$14.00 per 1000 \$17.00 per case
14 ctm., 1000 to case..... 16.00 per 1000 16.00 per case

WHITE ROMAN HYACINTHS

13x15 ctm.....\$5.00 per 100 \$50.00 per 1000
15 ctm. and up..... 7.00 per 100 65.00 per 1000

FREESIA PURITY

First size\$10.00 per 1000

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Medium size\$10.00 per 100 Mammoth size.....\$15.00 per 100

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LEONARD SEED COMPANY, Chicago, Ill.**BOUQUET****GREEN**

100 lbs., \$12.00

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GARDEN SEED

BET, CARROT, PARSNIP, RADISH and
GARDEN PEA SEED in variety; also other
items of the short crop of this past season,
as well as a full line of Garden Seeds, will
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S. D. WOODRUFF & SONS

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Reselected Strains in Seeds.

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Catalogue upon application.

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SEEDS, PLANTS AND BULBS
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Of Interest to Retail Florists

NEW FLOWER STORES.

San Francisco, Cal. J. Varst, Clement Street

Columbus O.—C. Strotmeyer, Siebert Street.

Say It With Flowers

PHILADELPHIA.

On Friday shipping business seemed to be very brisk among the wholesalers but on inquiry they said "mebbe so; you can look at the piles of boxes going over to the express companies as you can see all along the floors. But will they go out? Chances are that by midnight they'll 'phone us to take them all back." On Friday, however, the tale was a little different. All the shipments went out but whether they got to their destination O. K. no one is able to say yet. There are no complaints so far and it looks as if the express companies had done a little better than expected this year.

NEWS NOTES.

New York—Alexander Vlachos, florist, bought the two story brick building which he occupies in his business, No. 2,188 Broadway, 77.4 feet south of 78th street.

Albany, N. Y.—George M. West, formerly employed in Holmes' florist shop, is with the engineers' train, 27th division, at Spartanburg.

IN THE National Capital

At your service to deliver Flowers or Designs on Order by Telegraph or otherwise. Prompt Reliable Service.

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**Artistic Designs . . .
High Grade Cut Blooms**

We cover all Michigan points and good sections of Ohio, Indiana and Canada. Members Florists' Telegraph Delivery Association.



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FLOWER DELIVERIES FOR ALBANY
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413 Madison Ave. at 48th Street
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CHICAGO Send Your Orders to WILLIAM J. SMYTH

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Prompt Auto Delivery
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INC.
NEW YORK 561 Fifth Ave.
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BOSTON 1 Park Street
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Deliveries to Steamers and all Eastern Ports

CLEVELAND
A. GRAHAM & SON
5523 Euclid Ave.

Will take good care of your orders
Members of F. T. D. Association.

Orders Filled Day or Night for
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and State of Ohio
Complete Stock. Regular discount to Trade.
KNOBLE BROS.
1896 W. 25th St., Cleveland, O.
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735 Euclid Avenue
CLEVELAND, OHIO

Flowers of Every Kind in Season

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Rochester Phone 506. Long Dist. Bell Phone 278.
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ANDERSON service means fresh, sturdy
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WESTERN NEW YORK
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HIGH GRADE PLANTS
For Retail Stores a Specialty
ASK FOR LIST

THOMAS ROLAND, Nahant, Mass.

WORCESTER, MASS.

Randall's Flower Shop

HARRY I. RANDALL, Proprietor.

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Towns for Ready Reference. Orders
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Albany, N. Y.—The Rosery, 23 Steuben St.
Bangor, Me.—Adam Sekenger, 32 New-
bury St.

Boston—Thos. F. Galvin, 1 Park St.

Boston—Penn the Florist, 124 Tremont St.

Buffalo, N. Y.—S. A. Anderson, 440 Main
St.

Buffalo, N. Y.—Palmer's, 304 Main St.

Chicago—William J. Smyth, Michigan
Ave. and 31st St.

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Ave.

Cleveland, O.—Adam Graham & Sons,
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Cleveland, O.—Knoble Bros., 1836 W. 25th
St.

Cleveland, O.—The Smith & Feters Co.,
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Broadway.

Detroit, Mich.—J. Breitmeyer's Sons,
corner Broadway and Gratiot Ave.

Houston, Tex.—Kerr, The Florist.

Kansas City, Mo.—Samuel Murray, 1017
Grand Ave.

Los Angeles, Calif.—Howard & Smith,
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New York—David Clarke's Sons, 2139-
2141 Broadway.

New York—Alex. McConnell, 611 5th Ave.

New York—Young & Nugent, 42 W. 28th.

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Ave., at 48th St.

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New York—G. E. M. Stumpp, 761 Fifth
Ave.

New York—Thos. F. Galvin, Fifth Ave.,
at 46th St.

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Omaha, Neb.—Hess & Swoboda, 1415
Farnum St.

Providence, R. I.—Johnston Bros., 35
Dorrance St.

Rochester, N. Y.—J. B. Keller Sons, 25
Clinton Ave., N.

St. Louis, Mo.—Fred C. Weber, 4326-28
Olive St.

St. Paul, Minn.—Holm & Olson, Inc.

Tarrytown-on-Hudson, N. Y.—F. R. Pier-
son Co.

Toronto, Can.—J. H. Dunlop, 8-10 West
Adelaide St.

Washington, D. C.—Gude Bros., 1214 F
St.

Washington, D. C.—George H. Cooke,
Connecticut Ave. and L St.

Worcester, Mass.—Randall's Flower Shop,
22 Pearl St.

Send Telegraph, Telephone or Mail orders
for florist service in this vicinity to

Howard & Smith

853 SO. OLIVE ST.

Los Angeles, Calif.

Every Order sure to receive
prompt and careful attention

Danker
FLORIST

Albany, N. Y.

The Best Service
Our Business is Growing
Member Florists Telegraph Delivery.

ST. LOUIS, MO.

FRED C. WEBER
4326-28 Olive St.

Member Florists Telegraph Delivery Association
NOTICE INITIALS. We have one store only

THE J. M. GASSER COMPANY,

CLEVELAND

Euclid Avenue

The Far-Famed Flowers of
TORONTO

Delivered on mail or telegraph order for
any occasion, in any part of the Dominion.

JOHN H. DUNLOP
8-10 West Adelaide St. - TORONTO, ONT.

ALBANY, N. Y.

EYRES

Flowers or Design Work

DELIVERED IN ALBANY AND VICINITY
ON TELEGRAPHIC ORDER

106 STATE STREET, ALBANY, N. Y.

"THE HOME OF FLOWERS"

The largest cut flower store in America.
Orders for the TWIN CITIES and for all
Northwestern points given prompt at-
tention

HOLM & OLSON, Incorporated
ST. PAUL, MINN.

The Park Floral Co.

B. E. GILLIS, President.

E. P. NEIMAN, Secretary.

Members Florists' Telegraph Delivery.

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KERR ORDERS FOR TEXAS
HOUSTON, TEXAS

The Florist Member F. T. D. Association

BEAUTIES

Orchids - Cypripedium
White Lilac

Just remember that we are Headquarters for them
and we can supply you with good stock.

THE LEO NIESSEN CO.

N. W. Corner 12th and Race Streets
PHILADELPHIA, PA.

EDWARD REID WHOLESALE FLORIST

1619 - 21 Ranstead St., Philadelphia, Pa.
CHOICE BEAUTIES, ORCHIDS, VALLEY, ROSES
and all Seasonable Varieties of Cut Flowers

GEORGE B. HART WHOLESALE FLORIST

24 Stone St., Rochester, N. Y.

Wired Toothpicks

Manufactured by

W. J. COWEE, Berlin, N. Y.

10,000...\$2.00. 50,000...\$2.75. Sample free.
For sale by dealers.

E. G. HILL CO. Wholesale Florists RICHMOND, IND.

Please mention Horticulture when writing.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

WHOLESALE COMMISSION FLORISTS

Consignments Solicited

Hardy Fancy Fern Our Specialty

264 RANDOLPH ST., DETROIT, MICH.

The House for Quality and Service

ZECH & MANN

We are Wholesale Florists Doing
a Strictly Wholesale Business

30 East Randolph Street, CHICAGO



FLORAL NURSERIES

GROWERS AND WHOLESALERS

Greenhouses, Edgely, Bucks Co., Pa.
Office and Wholesale Store, 9 So. Mole St.,
PHILADELPHIA, PA.

Local Phone Spruce 989

OUR SPECIALTIES

ROSES, GARDENIAS, ORCHIDS, PLUMOSUS,
ADIANTUM, STRING SMILAX, Etc.

Special for New Year, RICHMOND ROSES

(Trial Order Solicited)

POEHLMANN BROS. CO.

Supply of Best Cut Flowers all the Year Around
72-74 EAST RANDOLPH ST., - - - CHICAGO.

If interested, send us your name and address for our weekly price list

IF you want anything from Boston get
it from **Henry M. Robinson & Co.**

We are on the job at all hours of the day, from 6 A. M. to 7 P. M.

We carry the largest line of Supplies in New England and also the best flow-
ers from over one hundred of the leading growers in New England. You can al-
ways Depend for SERVICE, PRICE AND QUALITY.

For Safety Place Your Orders With Us

HENRY M. ROBINSON & CO.

N Winthrop Square and 32 Otis Street, BOSTON, MASS.

WHOLESALE FLOWER MARKETS — TRADE PRICES — Per 100 TO DEALERS ONLY

	BOSTON Dec. 27		ST. LOUIS Dec. 10		PHILA. Dec. 24	
Roses						
Am. Beauty, Special	40.00	to 60.00	40.00	to 50.00	60.00	to 75.00
" " Fancy and Extra	20.00	to 30.00	....	to	35.00	to 60.00
" " No. 1 and culls	4.00	to 10.00	15.00	to 25.00	10.00	to 25.00
Russell, Euler, Mock	4.00	to 30.00	10.00	to 25.00	6.00	to 50.00
Hadley	3.00	to 30.00	....	to	8.00	to 50.00
Arenberg, Hoosier Beauty	2.00	to 12.00	....	to	6.00	to 25.00
Ward	2.00	to 12.00	4.00	to 10.00	6.00	to 10.00
Killarney, Radiance, Taft	4.00	to 12.00	4.00	to 10.00	4.00	to 15.00
Ophelia, Sunburst, Hillingdon	4.00	to 16.00	6.00	to 15.00	6.00	to 15.00
Carnations	4.00	to 6.00	4.00	to 6.00	4.00	to 8.00
Cattleyas	40.00	to 60.00	75.00	to 100.00	50.00	to 75.00
Dendrobium formosum	....	to 50.00	....	to	60.00	to 75.00
Lilies, Longiflorum	8.00	to 12.00	15.00	to	10.00	to 12.50
Lilies, Speciosum	6.00	to 8.00	....	to	5.00	to 8.00
Lily of the Valley	6.00	to 8.00	5.00	to	5.00	to 10.00
Snopdragon	3.00	to 4.00	....	to	6.00	to 16.00
Bouvardia	1.00	to 4.00	....	to	3.00	to 6.00
Violets	1.00	to 2.00	.75	to 1.00	.75	to 1.50
Chrysanthemums	....	to ....	....	to ....	....	to
Narcis, Paper White	1.00	to 3.00	4.00	to 5.00	....	to 3.00
Roman Hyacinths	3.00	to 4.00	....	to	3.00	to 4.00
Stevia	....	to 1.50	....	to 1.00	1.00	to 1.50
Sweet Peas	1.00	to 2.50	1.00	to 3.00	1.00	to 4.00
Marguerites	2.00	to 3.00	2.00	to 4.00	1.00	to 3.00
Gardenias	25.00	to 35.00	....	to	25.00	to 40.00
Adiantum	1.00	to 1.25	....	to 1.00	.75	to 1.00
Smilax	12.00	to 16.00	....	to 20.00	15.00	to 20.00
Asparagus Plumosus, & Spreng. (100 Bchs.)	35.00	to 50.00	....	to 40.00	25.00	to 50.00

WILLIAM F. KASTING Co.

Wholesale Florists

568 570 WASHINGTON STREET - BUFFALO, N. Y.

J. A. BUDLONG

184 North Wabash Avenue, CHICAGO

ROSES, VALLEY and
CARNATIONS
A Specialty

WHOLESALE
GROWER of

CUT FLOWERS

Flower Market Reports

BOSTON Boston florists enjoyed a real lively and very satisfactory Christmas. The retail stores did a rushing business on plants, cut flowers and the green and dried Christmas specialties, purchases being generally of moderate size and the medium-priced flowers having the best of it all through. The little rustic baskets filled with spruce tips, box-wood, cones, berried twigs, scarlet-dyed ruscus and such material had an enormous sale wherever shown, throwing far into the shade the once popular laurel "roping" and laurel and holly wreaths. The amount of laurel in market was the smallest in many years and this was also true of holly, which cut an insignificant figure as compared with a few seasons back. Mistletoe, too, was in very light supply and was confined to the native variety entirely.

The plant trade had a big week. Every store was stocked up to the limit of its capacity and when business closed on Tuesday there was little left in most places except empty shelves and debris. There were many more azaleas in evidence than anyone expected to see. The supply of begonias, Lorraine, Cincinnati, Melior and Mrs. Peterson—was enormous and in every gradation of size. These with cyclamen and poinsettias were far in the lead as to quantity and none of them have ever been finer in quality. Euphorbias, ericas and primulas, with a fair sprinkling of red berried plants constituted the principal stock in trade. Red ribbon still is a strong feature in connection with the holiday plant business. The wholesale flower markets were rather slow in getting "into the swim" but once started business went with a rush and it was a glorious clean-up, the only laggards being the paper white narcissi, which were far in excess of the requirements, and white carnations, and even these latter held strong in price and even sacrifice sales were astonishingly remunerative—a boon indeed to the harassed growers who have been hard hit by the coal scarcity and long-continued severe cold. Red carnations took a big flight to twelve dollars a hundred and in exceptional cases up to sixteen. Roses sold out very satisfactorily at an estimated average on the entire crop of about five dollars per hundred under last year's aggregate. The top notch was one dollar apiece for a few de luxe Hadleys and on the other hand large quantities of small stuff were unloaded at two dollars a hundred. Violets made the best price they have reached in years. Stevia was a fine seller. There were very few chrysanthemums. Sweet peas of unusual beauty were offered and a moderate quantity of freesia. The flower shipping trade found a serious set back in supplying customers at a distance especially "down east" where a number of through trains had been discontinued on account of coal shortage and connections were so disarranged that shipments were held up for one or two days in some cases. The Sunday intervening added to the embarrassment. There are very few flowers in market at present time.



PAPER WHITES

Of the Choicest Quality

\$4.00 per 100

Special prices in quantity

YELLOW NARCISSUS

(Soleil d'Or)

Wonderfully well grown stock

\$5.00 per 100

S. S. PENNOCK CO.

THE Wholesale Florists of PHILADELPHIA

NEW YORK PHILADELPHIA
117 W. 28th St. 1608-1620 Ludlow St.
BALTIMORE WASHINGTON
Franklin & St. Paul Sts. 1216 H St., N. W.

WHOLESALE FLOWER MARKETS — TRADE PRICES—Per 100 TO DEALERS ONLY

	CINCINNATI Xmas Quot.	CHICAGO Dec. 19	BUFFALO Dec. 3	PITTSBURG Xmas Quot.
Roses				
Am. Beauty, Special.....	80.00 to 100.00	50.00 to 75.00	40.00 to 50.00	60.00 to 80.00
" " Fancy and Extra.....	60.00 to 80.00	30.00 to 40.00	30.00 to 40.00	35.00 to 50.00
" " No. 1 and culls.....	15.00 to 50.00	6.00 to 10.00	3.00 to 15.00	20.00 to 30.00
Russell, Euler, Mock.....	8.00 to 20.00	6.00 to 50.00	4.00 to 10.00	20.00 to 30.00
Hadley.....	8.00 to 20.00	6.00 to 35.00	4.00 to 8.00	..... to
Arenberg, Hoosier Beauty.....	6.00 to 18.00	6.00 to 30.00	6.00 to 12.00	12.00 to 20.00
Ward.....	6.00 to 15.00	4.00 to 30.00	3.00 to 5.00	12.00 to 20.00
Killarney, Radiance, Taft.....	6.00 to 20.00	5.00 to 30.00	3.00 to 8.00	10.00 to 20.00
Ophelia, Sunburst, Hillingdon.....	6.00 to 20.00	6.00 to 30.00	4.00 to 12.00	12.00 to 25.00
Carnations	8.00 to 10.00	3.00 to 8.00	3.00 to 5.00	8.00 to 12.00
Cattleyas	75.00 to 100.00	60.00 to 75.00	60.00 to 75.00	..... to 100.00
Dendrobium formosum	..... to	60.00 to 75.00	..... to .....	..... to
Lilies, Longiflorum	..... to 15.00	10.00 to 12.00	..... to 10.00	..... to 16.00
Lilies, Speciosum	..... to .....	..... to 12.00	4.00 to 6.00	..... to 12.00
Lily of the Valley	..... to 10.00	5.00 to 8.00	8.00 to .....	..... to
Snopdragon	..... to 6.00	4.00 to 6.00	3.00 to 5.00	..... to
Bouvardia	..... to	2.00 to 3.00	..... to .....	..... to
Violets	..... to 2.00	1.50 to 2.00	..... to 1.50	1.50 to 2.00
Chrysanthemums	2.00 to 25.00	..... to	6.00 to 25.00	..... to
Narcis, Paper White	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00	..... to 4.00
Roman Hyacinths	..... to	3.00 to 4.00	3.00 to 5.00	..... to
Stevia	3.00 to 4.00	1.50 to 2.00	1.25 to 1.50	..... to 2.00
Sweet Peas	..... to 2.00	1.50 to 2.50	.75 to 1.25	..... to 4.00
Marguerites	..... to .....	..... to	1.00 to 1.50	..... to
Cardenas	..... to .....	..... to .....	..... to .....	..... to
Adiantum	..... to 1.00	..... to 1.00	1.00 to 1.25	..... to 1.25
Smilax	15.00 to 20.00	15.00 to 20.00	15.00 to 20.00	..... to 25.00
Asparagus Plu. & Spreng. (100 Bhs.)	15.00 to 35.00	35.00 to 100.00	35.00 to 50.00	..... to 40.00

CHICAGO It has again been demonstrated that it is never safe to predict what the quantity of holiday stock is going to be, even a few days in advance. As usual, the sun played a very important part in the opening of the flowers. Two days of bright sunshine the week before Christmas hurried open the buds and when a limited cut had been anticipated a very generous one took its place, with the result that no out-of-town orders had to be refused for

lack of stock. This increase was probably felt most in carnations and the extreme prices which had seemed probable a week before were not realized and eight cents was considered the "top." In roses the American Beauties were not in large supply and there was plenty of room for eastern stock which, however, did not reach the proportions of other years. Mrs. Russell took the place of Beauties in one large wholesale house and custom-

(Continued on page 691)

H. BAYERSDORFER & CO. Manufacturers and Importers

1129 Arch St. PHILADELPHIA, PA.

Fall Novelties Now On Display

New Show Rooms Added

THE LEADING FLORISTS' SUPPLY HOUSE OF AMERICA

H. E. FROMENT

Wholesale Commission Florist
Choice Cut Flowers

New Address, 143 West 54th St., NEW YORK
Telephones: 1390, 1361, Madison Square.

WM. P. FORD

Wholesale Florist
107 W. 26th Street, NEW YORK

Telephone 5335, Farragut
Call and inspect the Best Establishment
in the Wholesale Flower District.

JOHN YOUNG & CO.
WHOLESALE FLORISTS

53 WEST 28th STREET NEW YORK CITY

Consignments Solicited

Phone Farragut 4336

RIEDEL & MEYER, Inc.
Wholesale Commission
READY FOR BUSINESS

49 WEST 28th ST. NEW YORK.

GEO. C. SIEBRECHT
WHOLESALE FLORIST

109 WEST 28th ST
CONSIGNMENTS SOLICITED

PHONE 608 FARRAGUT NEW YORK
609

IMMORTELLS—Fresh from France
Per doz. bunches, \$3.00; per case,
125 bunches of one color, \$28.00.
JAPANESE FIBRE ROPING—Per
ball, \$70; per case, \$60.00.
FLORISTS' SUPPLIES AND
GREENS.

THE KERVAN CO. 119 W. 28th St.
NEW YORK

WILLIAM H. KUEBLER

Brooklyn's Foremost and Best

WHOLESALE COMMISSION HOUSE

A First Class Market for all CUT FLOWERS

8 Willoughby St., Brooklyn, N. Y.

M. C. FORD

121 West 28th St., NEW YORK

FINE ROSES, FANCY CARNATIONS

A Full Line of ALL CUT FLOWERS.
Telephone 3870 Farragut.

Established 1886

Tel. 551 Farragut

GUNTHER BROS.

Wholesale Commission Florists

110 West 28th St., New York

We Solicit Consignments of New
England Grown Novelties.

**P. J. SMITH**

WHOLESALE COMMISSION FLORIST SELLING AGENT FOR
LARGEST GROWERS

A full line of Choice Cut Flower Stock for all purposes.

TELEPHONE 2181 8089 FARRAGUT 131 West 28th St., NEW YORK CITY

ALBANY CUT FLOWER EXCHANGE

THOMAS TRACEY, Mgr. 611 Broadway, ALBANY, N. Y.

WHOLESALE ONLY

SAVE TIME AND MONEY BY SENDING YOUR ORDERS TO US

Prices Right. Consignments Solicited. Telephone Connection

Centrally Located, The Hub of the Flower Market Section

CHARLES MILLANG

Wholesale Florist

55 and 57 W. 26th Street, NEW YORK

Telephone 2483 Farragut

ORCHIDS - - GARDENIAS

HEADQUARTERS for the entire output of the

BEECHWOOD HEIGHTS NURSERIES, of Bound Brook, N. J.

PAUL MECONI—Wholesale Florist—NEW YORK

Telephone Nos. 3864 and 8364 Madison Square

57 WEST 26th STREET

A GOLD MEDAL is not expected by us for doing our duty by our consignors and customers
We have 22 years' experience behind us

FANCY GRADE ORCHIDS, SEPTEMBER MOON, AMERICAN BEAUTY, PRIMA
DONNA AND ALL OTHER ROSES, LILIES, CARNATIONS, VIOLETS,
ASPARAGUS AND SMILAX and all other Seasonable Flowers.

GUTTMAN & RAYNOR, Inc., Wholesale Florists

Phones: Farragut 558, 2036 and 2087

111 West 28th Street, NEW YORK

NEW YORK QUOTATIONS PER 100. To Dealers Only**ROSES AND CARNATIONS**

	Last Part of Week ending Dec. 22 1917		First Part of Week beginning Dec. 24 1917	
American Beauty, Special	6.00	to 75.00	60.00	to 75.00
" " Fancy and Extra	35.00	to 50.00	35.00	to 50.00
" " No. 1 and culls	4.00	to 15.00	4.00	to 15.00
Russell, Euler, Mock	3.00	to 25.00	3.00	to 25.00
Hadley	4.00	to 75.00	4.00	to 75.00
Arenberg, Hoosier Beauty	3.00	to 15.00	3.00	to 15.00
Ward	3.00	to 15.00	3.00	to 15.00
Killarney, Radiance, Teft	3.00	to 20.00	3.00	to 20.00
Ophelia, Sunburst, Hillingdon	4.00	to 25.00	4.00	to 25.00
Key	4.00	to 25.00	4.00	to 25.00
Carnations	4.00	to 10.00	4.00	to 10.00

GROWERS' CUT FLOWER COMPANY
WHOLESALE FLORISTS

129 West 28th Street

Tel. 6237 3563 Farragut

E. J. VAN REYPER, Mgr.

WALTER F. SHERIDAN

Wholesale Commission Dealer in

CHOICE CUT FLOWERS

133 West 28th Street, New York

Telephone—3632-3633 Madison Square

Frank H. Traendly

Charles Schenck

TRAENDLY & SCHENCK

Wholesale Florists

436 6th Avenue, Between 26th and 27th Sts., New York

Telephones: 797, 798, 799 Farragut

Consignments Solicited

JOSEPH S. FENRICH

WHOLESALE FLORIST

LILIES EVERY DAY

51 W. 28th Street, New York

Telephones, 420-421-422 Mad. Sq.

HERMAN WEISS

WHOLESALE FLORIST

Can handle shipments of growers' product
satisfactorily. Would like to hear from
Growers of Snapdragons and Sweet Peas,
etc., for the New York trade.

130 West 28th Street, Tel. Farragut 664.

NEW YORK.

Flower Market Reports

(Continued from page 689)

ers willingly paid the same price for the fancy stock \$7.50 per dozen. The question of the successful rivalry of the Mrs. Russell rose was decided by the quality of the Christmas supply this year and the price customers gladly paid to get them. In plants the lack of thousands of azaleas could not possibly be covered up by any amount of cyclamen and they were sorely missed as show plants. Baskets and hampers were, if possible, more beautiful than ever and they were apparently selling as readily as last year. The craze for trimming the araucarias with red ribbon continues and some florists have used other colors with doubtful success. Melanthera heathers are among the most showy of the large offerings and when artistically dressed up bring a price formerly thought to belong to the azalea only. At this time, Dec. 24th, there is stock enough and to spare but Christmas day is expected to use up the most of both cut flowers and plants.

Dried and artificial CLEVELAND specialties for Christmas cleaned

up nicely on the whole, although the department stores, with new flower departments probably cut into the regular retail trade somewhat. The cut flower market is in rather an unsettled condition. Some wholesalers fear a shortage for Christmas requirements, while others had plenty of flowers on hand and feared the market would not absorb them. The beginning of the Christmas season saw the carnations scarce, with roses in sufficient quantity for all demands. Rose prices, however, were not low. While a number of growers have curtailed their greenhouse area this year, and a number of others have gone out of business, Richard Gamble, oldest florist in Bratenahl, suburb of Cleveland, is the first to have his entire stock freeze for lack of coal. As suggested in HORTICULTURE several weeks ago Mr. Gamble had anticipated the result of a cold snap and endeavored to get rid of a part of his stock before the cold weather set in. Gamble is 72 years old and has been in the flower business 25 years. He is going stoically about his work cleaning up the wreck and figuring on his outdoor stock for next season.

Boston Floral Supply Co.

347-357 Cambridge St., Boston

Headquarters for
CYCANS, BASKETS, WIRE DESIGNS
and WAX FLOWERS
Send for price list if you have not received one.

HENTZ & NASH, Inc.

Wholesale Commission Florists

55 and 57 West 26th Street

Telephone No. 755
Farragut

NEW YORK

HENRY M. ROBINSON CO. OF NEW YORK WHOLESALE FLORISTS

55-57 West 26th Street

Telephones, 13-8510 Madison Square

Consignments Solicited

MAURICE L. GLASS, Treasurer

J. K. ALLEN

SERVING THE TRADE AS WHOLESALE COMMISSION FLORIST FOR OVER
THIRTY YEARS.

I have room now for a few more regular shippers of good flowers. I have a steady market for all varieties. Make a start now for the coming season.

118 West 28th St.

NEW YORK

TELEPHONES
Farragut 167 and 3058

NEW YORK QUOTATIONS PER 100. To Dealers Only

MISCELLANEOUS	Last Part of Week ending Dec. 22 1917		First Part of Week beginning Dec. 24 1917	
Cattleyas.....	40.00	to 75.00	40.00	to 75.00
Dendrobium formosum.....	.....	to 50.00	.....	to 50.00
Lilies, Longiflorum.....	8.00	to 10.00	6.00	to 8.00
Lilies, Speciosum.....	4.00	to 8.00	4.00	to 8.00
Lily of the Valley.....	4.00	to 10.00	3.00	to 8.00
Snapdragons.....	2.00	to 8.00	2.00	to 8.00
Bouvardia.....	2.00	to 3.00	2.00	to 3.00
Violets.....	.60	to .75	.75	to 1.25
Chrysanthemums.....	2.00	to 20.00	2.00	to 20.00
Narcis, Paper White.....	1.00	to 2.00	1.00	to 2.00
Roman Hyacinths.....	2.00	to 3.00	1.00	to 3.00
Stevia.....	.75	to 1.00	.75	to 1.00
Sweet Peas.....	2.50	to 3.00	2.00	to 3.00
Marguerites.....	2.00	to 3.00	2.00	to 3.00
Gardenias.....	15.00	to 50.00	15.00	to 50.00
Adiantum.....	.50	to 1.00	.50	to 1.00
Smilax.....	1.00	to 1.00	1.00	to 1.00
Asparagus Plumosus, & Spreng. (100 bunches).....	15.00	to 35.00	15.00	to 35.00

WE WANT MORE SHIPPERS

We have a numerous clientele of New York City buyers and the demand exceeds our supply. This is especially true of Roses. We have every facility and abundant means and best returns are assured for stock consigned to us.

Address Your Shipments to

UNITED CUT FLOWER CO. Inc.

111 W. 28th St., NEW YORK

D. J. Pappas, Pres.

CONVENTION VISITORS WELCOME

J. J. COAN, Inc.

HIGH CLASS FLOWERS.

ALL THE STANDARD STOCK.

THE PRODUCT OF THE LEADING GROWERS.

NOVELTIES AND UNUSUAL VARIETIES A SPECIALTY.

Consignors of Good Stock for the New York Market Please Call or Write

115 W. 28th Street

NEW YORK

TELEPHONES
Farragut 5413 or 5891

N. Y. FLORISTS' SUPPLY COMPANY, Inc.

103 W. 28th Street, NEW YORK

EVERYTHING FOR THE FLORIST

CHARLES E. MEEHAN

Wholesale Cut Flowers
Plants, Greens, etc.

5 So. Mole St.,

PHILADELPHIA, PA.

SINGLE VIOLETS WANTED

Violets and novelties are my Hobby. Consign your flowers to me. I can sell them to your satisfaction.

CLARENCE SLINN, 112 W. 28 St.
NEW YORK

FLOWER GROWERS

I have a good wholesale market for Pansies, Violets, Carnations and all other stock of quality.

Regular Shipments Solicited

B. S. SLINN, Jr.

55 and 57 W. 26th Street, NEW YORK

REED & KELLER

122 West 25th St., New York

Florists' Supplies

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in
Decorative Glassware, Growers and
Florists' Requisites

Beechwood Heights Nurseries

Importers and Growers of

ORCHIDS

Cut Flowers of All the Leading Varieties
in their Season.

THOMAS YOUNG, Jr., Proprietor

BOUND BROOK, N. J.

Est. 1765

Inc. 1904

Pot Makers for a
Century and a Half**HEWS****STRONG
RED
POROUS****POTS**World's Largest
ManufacturersStandard, Azalea, Bulb, Orchid, Fern, Hanging, Embossed, Rose, Carnation, Palm, Cyclamen, Cut Flower.
Special Shapes to Order. Chicken Founts, Pigeon Nests, Bean Pots, Etc.Write for Catalogue
and Discounts**A. H. HEWS & CO., Inc., Cambridge, Mass.**Warehouses:
CAMBRIDGE, MASS.
NEW YORK, N. Y.**LOCAL AND GENERAL NEWS****CHICAGO.**

James Bilek, of 1210 W. 18th street, has left the florists' business for that of fruit raising, having sold his store to Jos. Stejskal and bought a farm in Michigan.

The service flag at A. Lange's already has five stars and now three more are to be added for Walter Schumacher, shipping clerk, Chauncey Sanders and Joseph Gaumoff.

The Chicago Flower Growers' Association has added a case of ribbons to their supply of cut flowers and plants for the convenience of their customers and their own profit.

One good accomplished by the action of the express companies in declaring their irresponsibility for delay, was to cause the out-of-town orders to come in earlier than usual.

On Jan. 4th John G. Poehlmann will leave for Louisville, Ky., where he will enter the officers' training camp. He is the son of the late John Poehlmann and has the benefit of four years' experience at Culver Military Academy.

The absence of holly in quantity this year makes a decided difference in the appearance of the wholesale market. That the chief reason for the absence of this Christmas green is the lack of transportation facilities is evidenced by the fact that orders for a few boxes were generally filled but large quantities always failed to arrive.

Morris Grosberg, an employee of A. L. Vaughan Co., is reported as doing as well as can be expected at the Frances Willard Hospital where he was taken after being struck by a street car, while crossing Wabash avenue. The ligaments of his leg are badly torn but the X-ray shows no bones broken. It is extremely fortunate that he escaped with his life as he was caught between two cars.

A. N. Augspurger, recently of D. N. Augspurger & Sons, of Peoria, Ill., is now making Chicago his headquarters and traveling for the Geo. Wittbold Co. In November the greenhouses of D. N. Augspurger & Sons were frozen and all the stock of young plants, in the growing of which they specialized, was lost. The property, consisting of a range of houses and fifteen lots, was placed in the hands of a receiver and sold for a sum far below its value.

A committee representing several prominent wholesale houses was appointed by the Chicago Florists' Club to take up the matter of better shipping service with the express companies. Chairman Otto Freese called upon the managers who assured him that the florists' stock would have preference over other consignments during the holidays and be sent forward with all possible despatch. So far no reports of delay have reached the trade here.

ROCHESTER, N. Y.

The store formerly run by Edwin C. Kaelber, Inc., is now occupied by Louis Collatos, of the Aster Flower Store. His brother, Nick, will manage the Aster Store.

Geo. T. Boucher has been very active this week in the Red Cross campaign and has been fortunate in securing the allotted number of subscriptions allotted to him.

Fifteen of the Rochester florists are away in training or on the battlefield in France. The Rochester Florists' Association has sent to each a large box of cigars, cigarettes, pipes and tobacco and a box of candy as a Christmas gift. The work of packing the boxes was in the hands of Horace J. Head, A. H. Secker and H. B. Stringer.

WASHINGTON, D. C.

The florists of Washington at a meeting on December 19, in the rooms of the District War Service Commission in the District Building, pledged themselves to aid in war service work here during the coming winter, and moved the appointment of a committee by Harold Keats, director of local war service work, which would pass on all floral donations during the season. Otto Bauer was appointed chairman of the committee. The purpose of the meeting was to bring about more of a spirit of co-operation, as the service workers and florists will probably come into contact at many of the entertainments planned by the commission.

Houston, Texas—Harold Martin, night salesman for R. C. Kerr, has joined the colors, leaving Monday night for San Antonio to enter the Medical corps. This is the third to go from the Houston club.

Houston florists, under the leadership of R. C. Kerr, chairman, have formed a Red Cross Club.

BOSTON.

David J. Quinn, florist, of Brookline has made an assignment to Ed. Rokean and George Noyes, a most unwelcome Christmas token for all concerned.

The trustees of the Massachusetts Horticultural Society have voted to discontinue the awarding of money prizes at all the exhibitions during the year 1918 as a war economy measure.

Secretary John Young and J. H. Pepper as his assistant were in Boston last Saturday for a conference with Chairman Henry Penn and Major O'Keefe looking to an immediate furtherance of S. A. F. Publicity work with especial reference to Valentine Day business.

M. H. Norton, although incapacitated for active work for the past year and a half, came to the city and superintended the decoration of the chancel of Emanuel Church on December 24, a work which he has done at Christmas and Easter each year consecutively for almost half a century.

An announcement on the blackboard at the Boston Flower Exchange gives the names of forty-eight young men associated with the business of the Exchange who are now in the service of their country, about one-third of the number being already in France.

W. C. Gloeckner of Albany in his little publication, "The Blue Flower," states that President M. C. Brush of the Boston Elevated, is seldom seen without a small rose in his buttonhole. A rose is placed on his desk every morning by his assistant, Bert Potter, a man who loves flowers almost as much as mothers love their own children.

A gold medal was awarded by the Massachusetts Horticultural Society on December 22, to John L. Smith, superintendent for A. W. Preston at Swampscott, Mass., for a remarkable *Brasso-Cattleya* (C. *Enid* × *Brassavola Digbyana*), which Mr. Smith exhibited on that day at Horticultural Hall. The plant carries one flower and two buds. The flower is eight inches across and the labellum is four inches deep, of a lighter tone, with chocolate-colored markings and a suggestion of sulphur at the front of the lip. The large staminode is of clear, cream white and the sepals are the same tone as the beautifully ruffled petals.

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Flower Market Reports

Continued from page 691

New York retail florists are happy, almost to a man, over the results of Christmas business. So little was expected and so dubious was the outlook for many that the splendid rally of the buying public makes the situation all the more glorious. Two weeks ago the prospects and demand were anything but encouraging but on all sides the dealers are confessing an agreeable disappointment, some saying that their trade was ahead of any of the past three years, the demand embracing the finest grades as well as the moderate priced quality. Foliage plant baskets had a phenomenal run, rivaling those composed of flowering subjects, their durability apparently being taken into account by the purchasers. As usual, the plant business dominated everything until close up to the holiday and there being no evidence of scarcity on any one item but plenty of evidence of abundance the cut flower trading was desultory at first and gave no indication of the activity which developed Monday evening and continued well into Tuesday. The wholesale cut flower men are not unanimous as to the successful character of the Christmas trade, but we think the consensus of opinion can be stated as favorable and some are greatly elated over the good clean-up they had. Prices were comparatively low on most lines and up to Tuesday noon were marked by unusual steadiness for a holiday occasion. On Christmas morning the buyers were legion and the market was abundantly able

to take care of them all and still have a big unsold surplus consisting of white material mainly which, as heretofore on similar occasions, was "dead" stock and included roses, carnations, paper white narcissi, Roman hyacinths and even lily of the valley. There was a good supply of the latter and in very best quality but the present high prices are against it. Cattleyas were plentiful, also cypripediums. There was a lot of Euphorbia Jacquiniaeflora in market and much of it remains unsold. Violets made an unexpected surprise spurt, selling slowly at first and then running up to double the prices first quoted. Sweet peas were very fine and made a good record. The sales of greens and supplies of all kinds were quite heavy but there were enough for all demands.

PHILADELPHIA Christmas business here was better than expected but not up to the record of previous years. The out-of-town shipments got away all right Friday and

Saturday which was some surprise, as the express companies would give no guarantees. So far as heard to date no complaints have come in from consignees which means that the service was better than usual notwithstanding the congestion.

ROCHESTER There was little sunshine last week and the continued dark weather held back the supply of cut flowers considerably. Most of the stores report a rather slow week, but hopes are now entertained that the Christmas trade will be in every way better than has been anticipated. Roses are the only flowers that are in any way plentiful. The better grades are excellent and sell well. Violets are also selling good. Carnations are very scarce and bringing big prices. A few chrysanthemums are still arriving, but are not of good quality. Sweet peas are seen in very small quantities. There is a good supply of potted poinsettias, peppers, Jerusalem cherries, early bulbs and cyclamen.

CLASSIFIED DIRECTORY

Advertisements in this Department, Ten Cents a Line, Net

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C. KEUR & SONS, HILLEGOM, Holland. Bulbs of all descriptions. Write for prices. NEW YORK BRANCH, 8-10 Bridge St.

CARNATION STAPLES

Split carnations quickly, easily and cheaply mended. Pillsbury's Carnation Staple, 1000 for 35c.; 3000 for \$1.00 postpaid. I. L. PILLSBURY, Galesburg, Ill.

DAHLIAS

Peony Dahlia Mrs. Frederick Grinnell. Stock For Sale. JOHN P. ROONEY, New Bedford, Mass.

Orders booked at any time for Fall or Spring delivery. Wholesale and Retail. Send for Catalog. NORTHBORO DAHLIA & GLADIOLUS GARDENS, J. L. Moore, Prop., Northboro, Mass.

New Peony Dahlia—John Wanamaker, Newest, Handsomest, Best. New color, new form and new habit of growth. Big stock of best cut-flower varieties. Send list of wants to PEACOCK DAHLIA FARMS, Berlin, N. J.

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Daisies (Bellis) Monstrosa, white and pink, also Longfellow and Snowball. Thinly sown field-grown seedlings, \$2.50 per 1000, \$11.50 per 5000, cash.

BRILL CELERY GARDENS, Kalamazoo, Mich.

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Greenhouse glass, lowest prices. JOHN-STON GLASS CO., Hartford City, Ind.

GOLD FISH

Gold fish, aquarium plants, snails, castles, globes, aquarium, fish goods, nets, etc., wholesale. FRANKLIN BARRETT, Breeder, 4815 D St., Olney, Philadelphia, Pa. Large breeding pairs for sale. Send for price list.

PANSY PLANTS

Pansy Plants, Strong and stocky. Strains unsurpassed by any for Size of Bloom or Colors. \$2.50 per 1000, \$11.50 per 5000. Cash. Satisfaction or your money back.

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Peonies. The world's greatest collection, 1200 sorts. Send for list. C. BETSCHER, Canal Dover, O.

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Roses, Canas and Shrubs. THE CONARD & JONES COMPANY, West Grove, Pa.

SPHAGNUM MOSS

Live Sphagnum moss, orchid peat and orchid baskets always on hand. LAOBB & HURRELL, Summit, N. J.

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Flowering and Foliage Vines, choice collection. Large Specimen, Pot and Tub grown for immediate effect; also Climbing Roses. J. H. TROY, Mount Hissarlik Nursery, New Rochelle, N. Y.

WIRE WORK

WILLIAM E. HEILSCHER'S WIRE WORKS, 264 Randolph St., Detroit, Mich.

WANTS, FOR SALE, Etc.

FOR SALE

Complete set, six volumes in perfect condition, of the *Cyclopedia of American Horticulture* by L. H. Bailey. This is the original 1906 edition published by Doubleday, Page & Co., with the Synopsis of the Vegetable Kingdom inserted. Will sell cheap.

Address Bailey, care HORTICULTURE.

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Anything wanted by florists, gardeners, park and cemetery superintendents, etc., can be sold through this medium.

Don't fail to read over these Ads. in each issue and you may find one or more that will prove profitable to you.



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Hammond Insecticide used by Florists and Gardeners for generations and before this our paint was used on Hot Houses because it did not wash off. Two-inches of Putty is unexcelled.

Send for Pamphlets or information regarding your needs.

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Beacon, N. Y., U. S. A.
OUR PRODUCTS SOLD BY SEED DEALERS

SUGGESTS CHEAPER SPRAY MATERIALS.

Arsenate of lead for controlling chewing insects on fruit and vegetables has doubled in price as a result of war conditions. Growers are asking if there is some other poison which has been less affected in price. As a substitute insecticide, calcium arsenate or arsenate of lime is effective so far as insects on vegetables are concerned, suggests J. T. Rosa, Jr., of the University of Missouri College of Agriculture. In fact, it may be superior under moist humid conditions, for it does not burn and sticks to the foliage better than the lead arsenate, which is a good sticker. Fields of potatoes sprayed with arsenate of lime for control of the beetle show the white coat of poison even after heavy rains. Another substitute is arsenite

of zinc, which is used in place of arsenate of lead, and which has given good results when one-quarter less of it was used than the spray formula required for arsenate of lead. Arsenates of lead and lime are "slow" poisons, that is, insects may continue feeding on plants and do much damage, after receiving a fatal dose. To overcome this defect, a small quantity of paris green is used in addition to the regular spray formula—about four ounces to 50 gallons. Since this makes a "quick" poison, it makes the spray much more efficient. But paris green alone is dangerous to use on plants, since it is likely to burn the foliage.

Bordeaux mixture, the standard control for diseases on fruits and vegetables, has risen in cost owing to the demand for copper sulphate in other industries, and even during the last season, some growers felt that they could not afford to use this expensive material on vegetables. But it should be remembered that while spraying may be costly, generally the price of the crop has risen in the same or a greater proportion. Also in line with the food conservation program, careful and thorough spraying becomes a duty to the grower, for the damage wrought by various insects and diseases on growing crops is one of the biggest sources of waste in the country. Perhaps a word should be said for proprietary or patented spray materials at this time. Due to the fact that the manufacturers of some of these compounds had large stocks on hand before spray materials rose in price, a given amount of poison may be bought in some of these mixtures cheaper than is possible by buying raw materials.

ESTIMATES NATION'S INSECTI- CIDE NEEDS.

To procure for farmers an ample supply of insecticides at fair prices, the Division of Chemicals, U. S. Food Administration, urges users to report indications of unreasonable prices or unwarranted attempts to force the placing of orders on the plea of scarcity of materials.

By the President's recent proclamation placing the arsenic insecticide industry under government control the Food Administration now has general supervision over the market handling



Save your plants and trees. Just the thing for greenhouse and outdoor use. Destroys Mealy Bug, Brown and White Scale, Thrips, Red Spider, Black and Green Fly, Mites, Ants, etc., without injury to plants and without odor. Used according to direction, our standard Insecticide will prevent ravages on your crops by insects.

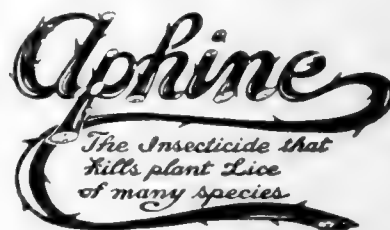
Non poisonous and harmless to user and plant. Leading Seedsmen and Florists have used it with wonderful results.

Destroys Lice in Poultry Houses. Fleas on Dogs and all Domestic Pets. Excellent as a wash for dogs and other animals. Relieves mange. Dilute with water 30 to 50 parts.

1/2 Pint, 30c.; 1 Pint, 50c.; Quart, 90c.;
1/2 Gallon, \$1.50; Gallon, \$2.50; 5 Gallon Can, \$10.00; 10 Gallon Can, \$20.00.
Directions on package.

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The Recognized Standard Insecticide.

A spray remedy for green, black, white fly, thrips and soft scale.

Quart, \$1.00; Gallon, \$1.50.

FUNCINE

For mildew, rust and other blights affecting flowers, fruits and vegetables.

Quart, \$1.00; Gallon, \$1.50.

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For eel worms, angle worms and other worms working in the soil.

Quart, \$1.00; Gallon, \$1.50.

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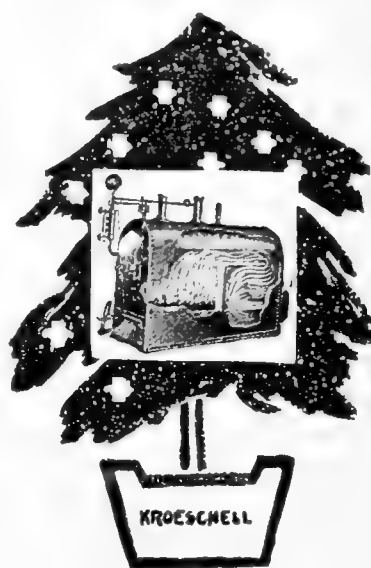
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THE spirit of the season prompts us to express to you appreciation of our pleasant business relations during the past year and to most heartily wish you health and prosperity for the coming year.

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"RIVERTON" HOSE

Furnished in lengths up to 100 ft. without seam or joint.

The HOSE for the FLORIST

3/4-inch, per ft.,	17 c.
Reel of 500 ft.,	16 1/4 c.
2 Reels, 1000 ft.,	16 c.
1/2-inch, " "	15 c.
Reels, 500 ft.,	14 1/2 c.

Couplings furnished

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The Florists Hall Association rate of insurance from Nov. 1st, 1916 to Nov. 1st, 1917 will be twenty cents per hundred square feet of single thick glass and eight cents per hundred square feet of double thick glass. For particulars, address, **JOHN G. ESLEER, Sec., Saddle River, N. J.**

and distribution of this class of chemical products. The Administration is now taking stock of the Nation's probable insecticide needs for 1918 as a preliminary step for out-manoeuvring attacks of pests on the food products grown during the coming season. Officers of agricultural and horticultural associations in all states are requested at once to make an estimate or census of their requirements and those of the state and send these estimates to the Division of Chemicals, U. S. Food Administration, Washington, D. C.

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S. S. Voorhees doesn't happen to be that kind of a Dad.

As a result he has three greenhouses and an all year round income; instead of a few acres of land and a three months' income.

The sons have the "pep"—the up-and-go of the firm. The father the valuable counsel, that



"That's sure Dad himself," as Clarence said when he saw this photo. Mr. Voorhees was good enough to have it taken especially for use in the Florists' Exchange.

keeps the "pep" from pepping a little too fast.

One son does the selling.

The other looks after the growing.

The father looks after everything and anything that needs looking after.

He is a boy with his boys; and as near as I can learn, they get a lot of downright fun out of their business, and money in the bank in proportion.

How about your boys, is Dad giving them the chance to grow that's coming to them?

You know we go anywhere for business. Or to talk business.

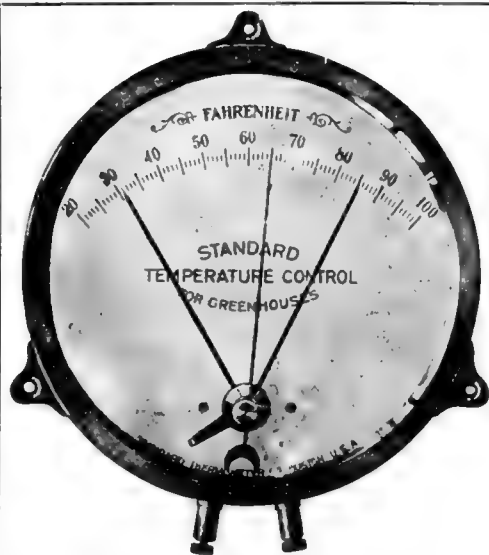
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